

Johnson C. Smith University



CATALOG 1977-1979

An Affirmative Action/Equal Opportunity Institution

JOHNSON C. SMITH UNIVERSITY
IS A
FULLY ACCREDITED MEMBER
OF THE
Southern Association of Colleges and Schools
Association of American Colleges
Association of Governing Boards of Universities and Colleges
American Council on Education
American Association of Colleges for Teacher Education
Council of Protestant Colleges and Universities
National Association for Equal Opportunity in Higher Education
North Carolina Association of Independent Colleges and Universities
North Carolina Association of Colleges and Universities
College Entrance Examination Board
Presbyterian College Union
United Negro College Fund
Charlotte Area Educational Consortium

* * * * *

JOHNSON C. SMITH UNIVERSITY
IS APPROVED
BY THE
American Medical Association
American Association of University Women

* * * * *

Admission to, employment by, and promotion within the University shall be on the basis of merit, and there shall be no discrimination on the basis of race, color, creed, sex, national origin, or handicap.

Johnson C. Smith University

CATALOG 1977-1979



CHARLOTTE, NORTH CAROLINA
28216

This catalog is not to be construed as a contract. The University reserves the right to change fees, tuition, or other charges; to add or to delete courses; to revise academic programs; or to alter regulations and requirements as deemed necessary. Johnson C. Smith University offers both equal education and equal employment opportunities.

Johnson C. Smith University affirms that it does not discriminate in its admissions and employment practices and that it is open to all, regardless of race, color, sex, creed, or national origin. It is an equal opportunity/affirmative action institution.

An Affirmative Action/Equal Opportunity Institution

UNIVERSITY CALENDAR FOR 1977-1978

FALL SEMESTER, 1977

August 21	Residence halls to open for freshmen at noon (The first meal will be served at the evening meal hours.)
August 22	Preschool Conference
August 21-27	Freshman Orientation: health examinations, written tests, and orientation sessions. (All freshmen who plan to enroll for the FALL SEMESTER should report to the campus Sunday, August 21, by 4:00 p.m.)
August 29-30	Registration for new transfers, freshman students, and preregistered students
August 31 - September 2	Registration for ALL other students
September 2	Last day to enter for the FALL SEMESTER
September 5	Labor Day (Holiday)
September 6	First day of classes
September 6-9	Change-of-program period (Drop/Add)
September 9	Last day for adding courses
September 13	Opening Convocation
October 11	Handwriting and Spelling Test for Teacher Education Program
October 18	Last day for dropping courses
October 21	Last day for candidates completing requirements for graduation at the close of the FALL SEMESTER to file application for degrees (Place: Office of the Registrar)
November 4	Alumni Day (No classes)
November 5	HOMECOMING
November 14-18	Early registration for SPRING SEMESTER
November 23-27	Thanksgiving Recess (To begin at 1:00 p.m. on November 23)
December 4 or 11	Annual Christmas program by the Department of Music
December 13-16	Final examinations (FALL SEMESTER)
December 18 - January 8	Christmas Recess (Residence halls and dining hall to close Sunday, December 18, at 5:00 p.m.)

SPRING SEMESTER, 1978

January 8-9	Orientation for freshman students and transfer students entering SPRING SEMESTER
January 9	Faculty Presemester Meeting (9:00 a.m.-12:00 Noon; 2:00 p.m.-4:00 p.m.)
January 10-11	Returning students to report to obtain registration permits and to consult with faculty advisers
January 12-13	Registration for ALL students
January 15	Birthday of Dr. Martin Luther King, Jr. (NO HOLIDAY)
January 16	First day of classes
January 20	Last day to enter for SPRING SEMESTER
January 16-20	Change-of-program period (Drop/Add)

January 19	Last day for adding courses
February 12-19	Black History Recognition
February 16	Handwriting and Spelling Test for Teacher Education Program
February 19	Spiritual Emphasis Week
February 22	Last day for candidates completing requirements to file application for degrees
February 27	Last day for dropping courses
March 5-11	Women's Week
March 17-28 !	Spring and Easter Recess (To begin at the close of classes on Friday, March 17)
March 26	Easter Sunday
April 2	Founders' Day Convocation
April	National Library Week*
April 10-14	Early registration for FALL SEMESTER
April 24-30	Men's Week
May 5	Last day of classes for seniors
May 8-9	Reading period for seniors
May 9	Last day of classes for nonseniors
May 10-12	Final examinations for seniors (SPRING SEMESTER)
May 10-12	Reading period for nonseniors
May 15-18	Final examinations for nonseniors (SPRING SEMESTER)
May 19-20	Commencement activities
May 21	Commencement
May 22-23	Faculty Postschool Conference
May 29 - June 30	First Summer Session
July 3 - August 4	Second Summer Session

**Date to be announced.*

UNIVERSITY CALENDAR FOR 1978-1979

FALL SEMESTER, 1978

August 20	Residence halls to open for freshmen at noon (The first meal will be served at the evening meal hours.)
August 21	Preschool Conference
August 20-26	Freshman Orientation: health examinations, written tests, and orientation sessions. (All freshmen who plan to enroll for the FALL SEMESTER should report to the campus Sunday, August 20, by 4:00 p.m.)
August 28-29	Registration for new transfers, freshman students, and preregistered students
August 30 - September 1	Registration for ALL other students
September 1	Last day to enter for the FALL SEMESTER
September 4	Labor Day (Holiday)
September 5	First day of classes
September 5-8	Change-of-program period (Drop/Add)
September 8	Last day for adding courses
October 10	Handwriting and Spelling Test for Teacher Education Program
October 17	Last day for dropping courses
October 21	Last day for candidates completing requirements for graduation at the close of the FALL SEMESTER to file application for degrees (Place: Office of the Registrar)
November	Alumni Day (No classes)*
November	HOMECOMING*
November 13-17	Early registration for SPRING SEMESTER
November 22-26	Thanksgiving Recess (To begin at 1:00 p.m. on November 22)
December 3 or 10	Annual Christmas program by the Department of Music
December 12-15	Final examinations (FALL SEMESTER)
December 17 - January 7	Christmas Recess (Residence halls and dining hall to close Sunday, December 17, at 5:00 p.m.)

SPRING SEMESTER, 1979

January 7-8	Orientation for freshman students and transfer students entering SPRING SEMESTER
January 8	Faculty Presemester Meeting (9:00 a.m.-12:00 Noon; 2:00 p.m.-4:00 p.m.)
January 9-10	Returning students to report to obtain registration permits and to consult with faculty advisers
January 11-12	Registration for ALL students
January 15	First day of classes
January 15	Birthday of Dr. Martin Luther King, Jr. (NO HOLIDAY)
January 19	Last day to enter for SPRING SEMESTER
January 15-19	Change-of-program period (Drop/Add)
January 19	Last day for adding courses

February 11-18	Black History Recognition
February 21	Last day for candidates completing requirements to file application for degrees
February 26	Last day for dropping courses
March 4-9	Women's Week
April 1	Founders' Day Convocation
April	National Library Week*
April 9-12	Early registration for FALL SEMESTER
April 12-22	Spring and Easter Recess (To begin on April 12 at 1:00 p.m.; classes to resume on April 23)
April 15	Easter Sunday
April 23-29	Men's Week
May 4	Last day of classes for seniors
May 7-8	Reading period for seniors
May 8	Last day of classes for nonseniors
May 9-11	Final examinations for seniors (SPRING SEMES- TER)
May 9-11	Reading period for nonseniors
May 14-17	Final examinations for nonseniors (SPRING SEMESTER)
May 18-19	Commencement activities
May 20	Commencement
May 21-22	Faculty Postschool Conference
June 4 - July 6	First Summer Session
July 9 - August 10	Second Summer Session

*Date to be announced.

JOHNSON C. SMITH UNIVERSITY

100 Beatties Ford Road

Charlotte, North Carolina 28216

Telephone: (704) 372-2370

QUICK REFERENCE DIRECTORY: 1977-1979

DR. WILBERT GREENFIELD, President

MRS. MARY H. BYUARM, Registrar

DR. LIMONE C. COLLINS, SR., Vice-President for Academic
Affairs

MRS. JOYCE T. CRISP, Director of University Union

MACK L. DAVIDSON, Vice-President for Business and Financial
Affairs

DR. JOSEPH A. GASTON, Vice-President for Student Affairs

REVEREND CALVIN A. HOOD, Director of Student Life Programs

RANCE M. JACKSON, Director of Financial Aid

MOSES W. JONES, Director of Admissions

MRS. AURELIA L. LAW, Manager of Bookstore

JULIUS A. LOCKETT, Coordinator of AIDP

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DR. BERTHA MAXWELL, Vice-President for Administrative Affairs
and Planning

MRS. MINNIE G. MAXWELL, Director of Alumni Affairs

MRS. VIVIAN R. NIVENS, Acting Director of Public Relations

DR. RUFUS G. PETTIS, Director of Summer School

MRS. SARA J. STEWART, Personnel Officer

MRS. SHIRLEY WILKINS, Acting Head Librarian

HAROLD B. WINSTON, Director of Placement

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GENERAL INFORMATION

HISTORY

In 1867 the Reverend S. C. Alexander and the Reverend W. L. Miller saw the need to establish an institution in this section of the South and began to devise such plans as would secure the desired results. On April 7, 1867, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth Streets, Charlotte, North Carolina, the movement for the school was formally inaugurated, and these two ministers were elected as teachers.

Information concerning the establishing of the school was brought to the attention of Mrs. Mary D. Biddle, an excellent churchwoman of Philadelphia, Pennsylvania, who, through appeals on behalf of the work in one of the church papers, pledged \$1400. In appreciation of this first and generous contribution, friends of the project requested Mrs. Biddle to name the newly established school after her late husband, Major Henry Biddle. After the request was granted, the school was named Biddle Memorial Institute and later was chartered by the State Legislature under that name.

The first eight acres of land used as the site for the school were donated by Colonel W. R. Myers, a wealthy citizen of Charlotte, North Carolina. From 1867 to 1876 the school was known as the Biddle Memorial Institute. In 1876 the charter was changed by the Legislature of North Carolina, and the name of the school became Biddle University. The institution operated under this name until 1923.

From 1921 to 1922 the late Mrs. Jane Berry Smith, of Pittsburgh, Pennsylvania, gave funds for the erection of a theological dormitory, a science hall, a teachers' cottage, and a memorial gate at Biddle University. In addition, she provided a handsome endowment for the institution in memory of her late husband, Johnson C. Smith. In recognition of these generous benefactions, the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. The charter of the school, accordingly, was so amended March 1, 1923, by the Legislature of the State of North Carolina. From 1923 until her death in October, 1929, Mrs. Smith gave funds for the erection of five more buildings, including a campus church.

The University was further strengthened from 1924 to 1925 as a result of a substantial provision by James B. Duke, a wealthy, "wise, magnanimous" businessman of Somerville, New Jersey. Mr. Duke also had a home in Charlotte and had been contacted by the president of the University, Dr. H. L. McCrorey, several years earlier for a contribution. Mr. Duke did not respond to Dr. McCrorey's letter, but in the authorization of the establishment of the Duke Endowment on December 11, 1924, Johnson C. Smith University was included as one of the beneficiaries. Through the

years the Duke Endowment has been of inestimable value to the continued development of the University.

The institution was recognized that year by the North Carolina State Board of Education as a four-year college. In 1929 the high school department was discontinued, and the standard program was restricted to a college of liberal arts and sciences and a theological department.

In 1932 the University's charter was amended, providing for the admission of women to the senior division. The 65-year-old institution for men then became partially coeducational.

In 1938 the institution attained the status of an independent college, affiliated with the Presbyterian Church in the United States of America, reporting to the General Assembly through the Board of Christian Education.

The first residence hall for women, named in memory of James B. Duke, was dedicated in 1940. In 1941 women were admitted to the freshman class. When the Diamond Jubilee was celebrated in 1942, the University was a fully coeducational institution.

Johnson C. Smith University joined the United Negro College Fund in 1944. This fund was organized primarily to help church-related schools of higher learning to revamp their training program, to expand their plants, to promote faculty growth, and to create new areas of service. The institution's membership in the fund began to bear fruit immediately.

In November, 1955, the Henry Lawrence McCrorey Theological Hall was dedicated and provided a new home for the 88-year-old seminary and its library. This new facility also provided space for a small chapel, classrooms, and offices. In 1969 the theological department was moved from Charlotte, North Carolina, to Atlanta, Georgia, and became a part of the Interdenominational Theological Center. McCrorey Hall is now a classroom building for religious education, philosophy, sociology, and other academic areas.

Through increasing support from the Duke Endowment, the United Negro College Fund, and other sources, the period between 1955 and 1968 was one of expansion of the physical plant and enrichment of the curriculum. Seven new buildings were erected during this period: the new gymnasium (1960), the Hardy Liston Residence Hall for women (1962), the University Memorial Union (1965), the Duke Memorial Library (1967), Myers Residence Hall for men and Sanders Residence Hall for women (1967), and a new science building (1968).

The institution completed in 1966 a two-year self-study program, which resulted in significant innovations in the curriculum. The year 1967 was a memorable one for all Johnson C. Smith University (formerly Biddle) alumni and friends. The University had reached its one hundredth anniversary. During this historic centennial occasion, the institution examined its past and made innovative and creative plans for the future.

The present site contains 75 acres of land and 46 buildings. The University has more than a thousand students and approximately

200 full-time faculty members, administrators, and staff members for administrative and support services.

Increasingly aware that today's demand for truly educated men and women is the most pressing in history and that quality and versatility are prerequisite to equal opportunity for all, Johnson C. Smith faces the challenge of her second century with new vision and a calculated plan of action.

PURPOSE

Johnson C. Smith University, an independent private college of liberal arts, was founded under the auspices of the Committee on Freedmen of the Presbyterian Church, U.S.A. The original purpose, which was to provide an institution of training "for the ministry, for catechists, and for teachers," has been greatly expanded. At the present time, Johnson C. Smith University exists as an undergraduate institution of higher learning, offering varied fields of study in the context of the small liberal arts college tradition, and is open to all qualified persons.

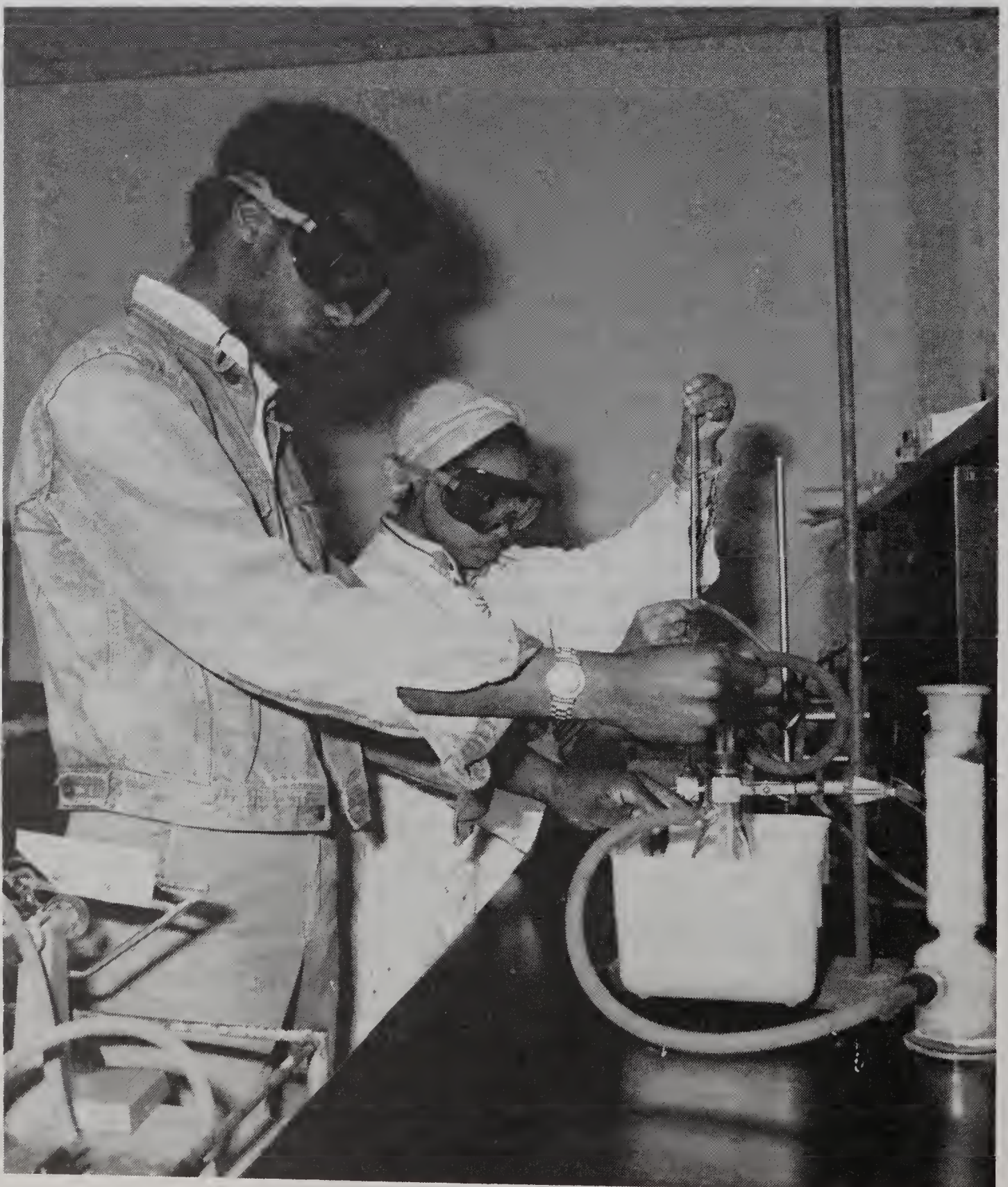
The general purpose of Johnson C. Smith University is to provide an environment in which men and women may realize as fully as possible their individual potential for intellectual, social, spiritual, emotional, and physical growth and well-being. In terms of intellectual growth, the purpose is to encourage and to develop objective, critical, and creative thinking, together with the ability to communicate thoughts and feelings effectively. In terms of social growth, the purpose is to develop the sensitivity and capability necessary for constructive human relationships at all levels of interaction, both with other individuals and with groups. In terms of spiritual growth, the purpose is to offer avenues for examining and expressing religious, moral, and aesthetic values and commitments. In terms of emotional growth, the purpose is to provide assistance in the continuing development of realistic self-understanding and self-acceptance. In terms of physical growth, the purpose is to provide for both theoretical understanding and practical implementation of the conditions necessary for the physical well-being of the individual and the community.

In the realization of these general goals of liberal arts education, Johnson C. Smith University has certain specific concerns and distinctive emphases which give the institution its individuality and identity. The special characteristics of Johnson C. Smith University include the following:

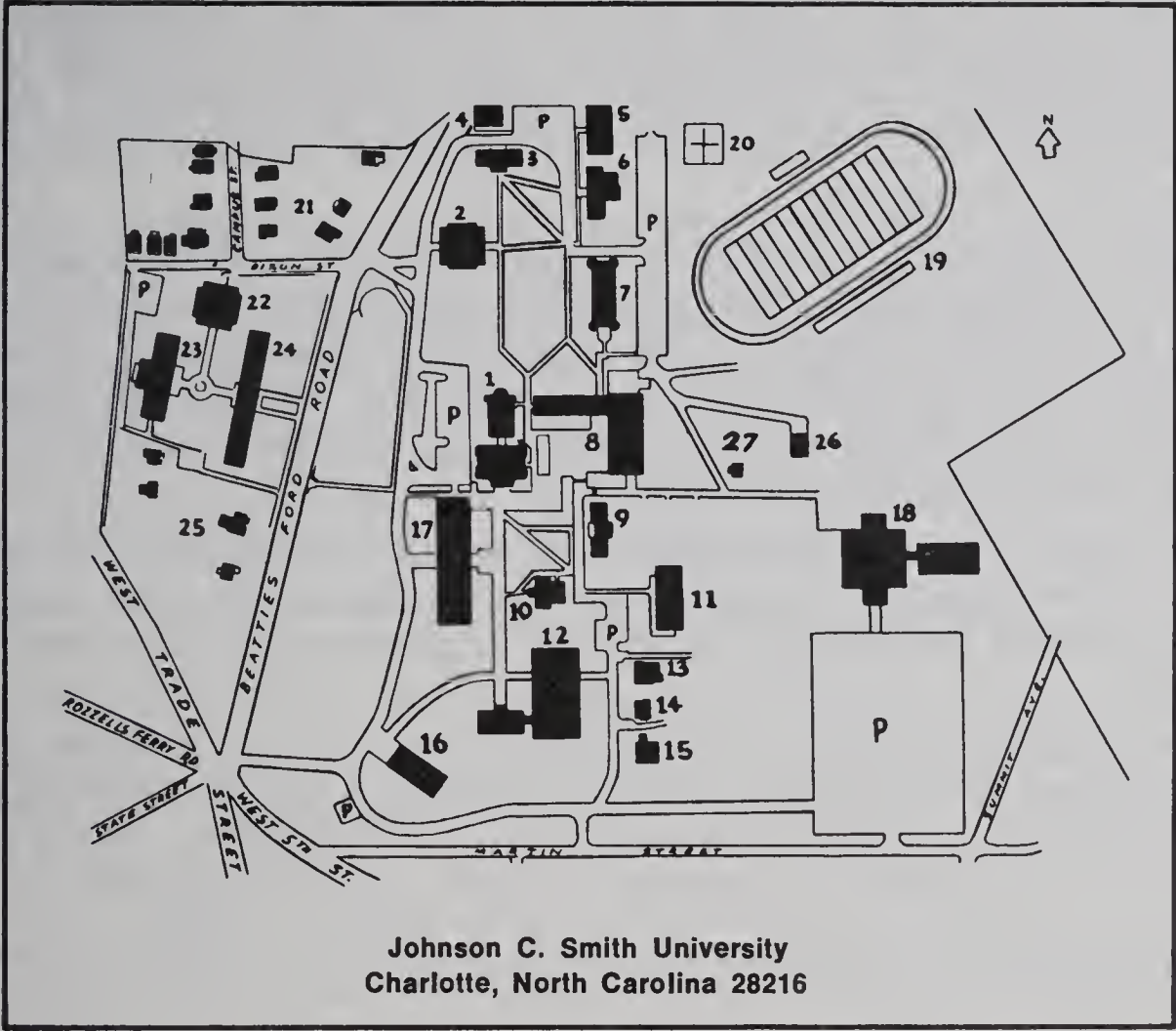
1. Effective relationships between the theoretical and the practical, between the development of the basic tools of communication and their application to various occupational fields
2. Primary emphasis upon teaching as the basic function of the faculty, with provisions for continuing evaluation, research, and improvement of the teaching-learning process
3. Concerted efforts to meet the actual needs of all students by devising specially designed programs both for the marginally prepared and for the exceptionally well prepared, as well

as enriched and innovative programs for the adequately prepared

4. Explicit attention given to the experiences, outlook, and needs of particular cultural groups, with the constant endeavor to integrate this concentration into the study and appreciation of American and other cultures
5. Acknowledgment of the history and current relevance of the religious heritage of man, as well as the development of new ways for relating the religious orientation and tradition of the University to that heritage
6. Adoption and development of an integrative approach to all aspects of the life and work of the University
7. Development of relationships between the University and the community wherein each benefits from the presence of the other



CAMPUS MAP



Johnson C. Smith University
Charlotte, North Carolina 28216

LEGEND

- | | |
|--|--|
| 1. Biddle Memorial Hall
(Administration Building) | 15. The Education Building:
The Mary Irwin Belk Center for
Early Childhood Education |
| 2. Myers Hall (Men's Dormitory) | 16. University Church |
| 3. Berry Hall (Men's Dormitory) | 17. James B. Duke Memorial Library |
| 4. Maintenance Building | 18. Gymnasium |
| 5. Financial Affairs Office | 19. Sanders-McCrorey Field |
| 6. Band Room | 20. Tennis Courts |
| 7. Carter Hall (Men's Dormitory) | 21. Faculty and Student Housing |
| 8. University Memorial Union | 22. Sanders Hall (Women's Dormitory) |
| 9. Smith Hall (Men's Dormitory) | 23. Duke Hall (Women's Dormitory) |
| 10. Office of Student Affairs | 24. Liston Hall (Women's Dormitory) |
| 11. McCrorey Hall | 25. Cottages |
| 12. Science Center | 26. Heating Plant |
| 13. Infirmary | 27. Faculty Office Building |
| 14. Smith Cottage | |
- P Parking Area

Johnson C. Smith University is located at 100-300 Beatties Ford Road near the intersection of West Trade Street, Fifth Street, and Rozzells Ferry Road in Charlotte, North Carolina. Charlotte is served by Eastern, Delta, Piedmont, and United Airlines, by Greyhound and Trailway buses, and by Southern Railway. The campus is easily accessible to Interstates 85 and 77.

BUILDINGS

Biddle Memorial Hall, the main building on the campus, contains the administration offices of the University, classrooms, and lounges for faculty and students. The building consists of five stories, including the basement. Biddle Memorial Hall is located on the highest knoll of the campus and may be seen from almost any section of the city.

Carter Hall, built in 1896, is a dormitory for college men. The original building was a gift of Miss Laura Carter of Geneva, New York. In 1955 the building was completely modernized on the inside, leaving the outside walls to retain the original architecture. It houses 106 students and contains a lounge, recreation area, and living quarters for the director.

Johnson C. Smith Memorial Hall, which stands on the eastern side of the campus, supplies rooms for about 62 men students. It was named for the late Johnson C. Smith of Pittsburgh, Pennsylvania.

Berry Hall, a dormitory for men, stands at the northern end of the campus. It has four stories, including a basement. This dormitory, which was given in memory of the late Mrs. Smith's parents, has a reception parlor and houses about 55 students.

The James B. Duke Memorial Hall, the first dormitory to be constructed on the campus for the housing of female students, is located across Beatties Ford Road at the southwest end of the University campus. The three-story building is Georgian in style and has exterior walls of brick with limestone trimming. In addition to ideal living quarters for approximately 110 students, it includes the director's office, a beauty parlor, and laundry and trunk rooms.

Carnegie Hall, which housed the library from 1911 to 1968, is now occupied by the Freshman-Sophomore Center and by the Offices of the Vice-President for Student Affairs, Director of Student Life Programs, Counseling and Testing Services, Career Planning and Placement, and Financial Aid.

The Jane M. Smith Memorial Church, located near the entrance to the campus, is a gift of the late Mrs. Jane Berry Smith. This beautiful building, which was erected in 1928, is made of colonial brick with limestone trimming and has a front supported by limestone columns.

Smith Cottage, originally built as the winter home for Mrs. Johnson C. Smith, now houses the Offices of Public Relations, Alumni Affairs, and Private Relations.

The Henry Lawrence McCrorey Memorial Hall, dedicated on November 12, 1955, was formerly the administration building for the School of Theology. It was erected from funds raised by alumni, churches in the Catawba, Atlantic, Blue Ridge, and Canadian Synods, local friends, and the Building Fund Campaign of the Presbyterian Church, U.S.A. It contains three stories, including space for classrooms, offices, an assembly room, a meditation room, a reception room, and a stock room.

The Central Heating Plant was dedicated on April 7, 1954. It replaces individual heating units and is capable of furnishing heat and hot water for several buildings on the campus.

The Hartley Woods Hall, a gift of the late Mrs. Jane Berry Smith, is the campus gymnasium and is situated at the northern end of the University Quadrangle. It now houses the Office of Financial Affairs.

The Gymnasium was completed in 1961. It is ideally situated on a spacious plot adjacent to a wooded area of the campus and is well away from other campus buildings. The gymnasium is a split-level brick and steel structure with a main playing floor, a seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms, and the main physical education locker and towel rooms.

A glass-enclosed corridor connects the Pool Building with the lower level of the gymnasium. The south wall of the building is of fixed glass with sliding glass doors that open onto a patio which encompasses the length of the building. The swimming pool, which is seventy-five feet long and forty-two feet wide, meets indoor Olympic regulations. The depth of the pool is from three to ten feet. The Pool Building also contains the swimming instructor's office, toilet facilities, and beneath the pool deck, a corridor that encircles the pool wall and extends to the mechanical equipment room.

Liston Hall, dedicated on April 7, 1963, is a dormitory for women. Of modern design, the building will accommodate 152 students. It has two lounges and other facilities adequate for the convenience of young ladies. The building was named in memory of Dr. Hardy Liston, who served as president of the University from 1947 until his death in 1956.

The University Memorial Union, dedicated on May 30, 1965, is a beautiful three-story building which includes a cafeteria, a snack bar, conference rooms, faculty and student lounges, a bookstore, a post office, a music listening room, guest rooms, staff offices, recreational facilities, an all-purpose lounge and ballroom, a browsing-reading room, and the radio station.

The James B. Duke Memorial Library, a modern structure near the center of the campus, was completed in the summer of 1967. It has an open-shelf arrangement, designed to create interest and to provide easy access to the collection.

Total resources of the library include materials directly related to classroom work, as well as general and recreational reading materials. It houses valuable reference books, bound and unbound periodicals, pamphlets, and audio-visual materials, in addition to the general book collection—all of which promote the objectives of the University. There are frequent displays on subjects of general and special interest.

Books and periodicals that are not available in the James B. Duke Memorial Library may be obtained from other libraries through interlibrary loans and copying facilities.

Archives, etc

Comfortable reading areas are provided on both floors of the library. On the second floor are located study carrels for instructors and students. The west wing of the building houses the Audio-visual Center and two classrooms for lectures and viewing.

Policies, designed for the interest of all users of the library, appear in the *Library Guide*, which is distributed at the circulation desk.

Myers Hall, completed in 1967, accommodates 122 men students. A modern four-story structure, the building has on the first floor an apartment for the director, a two-room suite for counselors, a lounge, a TV-snack room, laundry facilities, and an office for the assistant director of student life programs for men.

Sanders Hall, built in 1967, accommodates 120 women students. The four-story building has on the first floor two apartments for directors, a snack bar, a grooming room, laundry facilities, and an office for the assistant director of student life programs for women.

The New Science Center, a two million-dollar complex, is composed of a new three-story structure connected to the completely renovated George E. Davis Science Hall. Fully equipped for teaching and research, the center has classrooms, offices, laboratories, and facilities for experimental work in chemistry, the life sciences, mathematics, physics, earth science, psychology, computer science, and engineering sciences.

PUBLICATIONS

The *Johnson C. Smith University Catalog* and admissions materials are published by the University.

The Bull, the yearbook, is published annually by the students.

The Newsletter is published during the fall and the spring by the Office of Alumni Affairs.

The University Student, the campus newspaper, is published periodically during the school year by the students.

The Student Handbook is published by the Office of Student Affairs as a guide to student life at the University.

The Galaxies is a summer publication of the Office of Public Relations.

ADMINISTRATIVE ORGANIZATION

Board of Trustees

The Board of Trustees exercises final authority of all University governance within the limits of the established charter granted to the institution by the State of North Carolina. The trustees delegate authority to various divisions of the University through the president. The officers of the University are delegated a portion of the responsibility for functions within the University. Brief descriptions of these offices and responsibilities follow.

Officers of the University

The president of Johnson C. Smith University is elected by the Board of Trustees and is an ex-officio member of the board. The other officers of the administration are appointed by the Board of Trustees upon the recommendation of the president. The following positions comprise the officers of Johnson C. Smith University: president, vice-president for academic affairs, vice-president for business and financial affairs, vice-president for student affairs, and vice-president for administrative affairs.

Office of the President: All officers of the University report directly to the president and, through him, to the Board of Trustees. Reporting directly to the president are the vice-president for academic affairs, the vice-president for business and financial affairs, the vice-president for student affairs, and the vice-president for administrative affairs.

Office of the Vice-President for Academic Affairs: The vice-president for academic affairs is the chief administrative officer for all academic programs. All academic officers report through him to the president. These include the director of admissions, the registrar, the director of Freshman-Sophomore Studies, the librarian, the director of Summer School, and the chairmen of academic divisions.

Office of the Vice-President for Student Affairs: The vice-president for student affairs is the chief administrative officer responsible for the management of student affairs. Those officers reporting to him are the director of student life programs, the director of counseling and testing, the director of the University Union, the coordinator of religious life, the director of student financial aid, the director of health services, the director of career planning and placement, and the director of the Upward Bound Program and Special Services.

Office of the Vice-President for Business and Financial Affairs: The vice-president for business and financial affairs is the chief administrative officer responsible for the business and financial operations of the University. Reporting to this office are the administrative officer, the personnel officer, the comptroller, and the director of the physical plant.

Office of the Vice-President for Administrative Affairs: The vice-president for administrative affairs is the chief administrative officer responsible for general administrative procedures involving the director of development, the director of alumni affairs, the director of University relations, the director of institutional research, and the director of federal and community relations.

Administrative-Faculty-Student Committees: Administrative-faculty-student committees provide an opportunity for administrators, faculty, and students to work together in evaluating, recommending, and implementing policy. This approach to decision making and policy formulation creates a better understanding of the total University and gives each segment an opportunity to discuss vari-

ous points of view. These committees are responsible to the president and relate to that office through the vice-presidents.

Individual students may express their views and ideas to members of specific committees, or they may initiate discussion with the Student Government Association, Residence Hall Councils, Pan-Hellenic Council, Council on non-Greek Organizations, or Office of the Vice-President for Student Affairs.

Student appointments to these committees are made by the president of the Student Government Association, who submits his recommendations to the vice-president for student affairs. Upon confirmation by the vice-president for student affairs, the names are submitted to the president for appointment.



STUDENT LIFE

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs consists of a core of programs to facilitate entry into the college environment. These programs are designed to provide opportunities for the student to develop healthy mental and emotional attitudes, to achieve a sense of self-direction and responsibility, to experience positive group interaction and interpersonal relationships, to use leisure time creatively, to get a clear understanding of the need for practical implementation of activities essential to physical well-being, to acquire financial resources for educational costs, to develop spiritual values, to express religious interests, and to plan adequately for the postcollege environment.

These objectives are achieved through the offices and/or programs that function under the direction of the vice-president for student affairs. These include student life programs, counseling and testing, Upward Bound and Special Services, religious life, health services, student activities, the Student Union, financial aid, and career planning and placement.

Student Life Programs

Student life programs focus on the general life and development of the student in the campus community. These programs, under the direction of the Office of Student Life Programs, include housing, student development programs, orientation, advising of veterans and international students, convocations, student government, operations of fraternal organizations, student publications, and judiciary programs.

New Student Orientation

A period of orientation is provided at the beginning of each semester for new students. Orientation consists of activities that will facilitate entry into the new environment of the campus community. Students are introduced to the philosophy, the facilities, and the services of Johnson C. Smith and are provided opportunities to meet the people who manage the University. Orientation also includes academic advisement and consultation. Students are given assistance in initiating a program of study through testing and placement, consultation with advisers, instruction in registration policies and procedures, and introduction to major fields of study. Cultural activities, social affairs, and sports events are also a part of the orientation program.

Housing

The University may not have housing available to accommodate all students who wish to live on campus. For this reason, each student must apply each year for campus housing. Students are requested to file housing applications by June 30. It should be noted, however, that this procedure does not guarantee housing

space. Availability of space will be determined by the number of applications received by the filing deadline. New students who are admitted too late to file by June 30 are requested to file as soon as possible after being admitted.

A student must be admitted to the University before an application for housing will be accepted. Each person making application for student housing must make a deposit of twenty-five dollars, which must accompany the application for housing. The housing deposit will be held as an assurance that the applicant will comply with the procedures for being admitted to student housing. If the proper procedures have been followed, the deposit will be applied to the student's account at the time of registration for the period for which the application is made.

Students who are approved for campus housing will be sent a Housing Assignment Notice. The assignment must be accepted or rejected not later than three weeks prior to the date of occupancy. Students who are not approved for campus housing will be refunded their deposit. If a student who accepts a housing assignment decides later not to enroll and gives notice of the decision at least three weeks before the date of occupancy, the assignment will be cancelled and the deposit refunded. Cancellation for any reason after this date will result in forfeiture of the deposit.

A housing assignment is made for the entire academic year. Except for students graduating or separating themselves in any other way from the University during the semester, individuals who accept assignments in campus housing obligate themselves to remain for the period of the assignment. Any other exceptions must be approved by the vice-president for student affairs and the Office of Business and Financial Affairs. Students must not move from the residence halls without this approval.

Students who choose to reside or must live off campus because housing is not available on campus will find rental units accessible to students in the Charlotte community. Students who reside off campus must make their own arrangements for off-campus housing. Upon request the University will refer students to real estate companies that are familiar with the local rental situation and that will assist students in their search for rental accommodations. The University, however, assumes no responsibility for providing or supervising off-campus housing.

Counseling and Testing

Counseling and testing services are provided to help students assess their academic, vocational, and personal development. This office also assists students in developing and modifying behaviors in seeking the solution to problems of personal, social, and emotional development. By administering tests and interpreting the results, this office guides students in the evaluation of their aptitudes, interests, and performance.

Upward Bound and Special Services

Upward Bound is a precollege program for the marginal student who exhibits exceptional potential for academic achieve-

ment. The primary goal of the program is to focus on skill building and personal growth that will enable students to experience greater success in their postsecondary activities. This program is committed to work with those students who, from all indications, probably will not achieve success unless some nonclassroom assistance is given to them. Students enter the program in the sophomore year of high school and continue through the senior year and the summer immediately after high school graduation.

Special Services is a program designed to work with a limited number of freshmen and sophomores whose previous academic performance and cultural exposure indicate need for supportive services in order to enable them to achieve successfully at the college level. The program consists of three basic components: reading skills and language laboratory use, tutorial assistance, and counseling and contact services.

Religious Life

Programs of religious life, including those of the Student Christian Association, are developed and coordinated by the coordinator of the religious life programs. These programs consist of religious activities representing educational and spiritual values in terms of individual development and personal discipline.

Health Services

Health supervision and medical care are provided for students through the Student Health Services. The staff consists of a physician and several nurses.

A physical examination is required of all new students before they are admitted to the University.

All full-time students are permitted to consult with the Health Services staff. Students living off campus must report to the Health Center for treatment.

Persons reporting to Health Services for treatment will be given the initial dose of medicines and drugs. Prescriptions for subsequent drug and medicinal needs and medication beyond the initial dose provided by the Health Services will be given at the student's expense.

Frequently specialists are needed for students. In such cases the Health Services staff will refer students to recommended specialists. The cost of the services of specialists will be the responsibility of the students and their parents.

Students who need hospital care will be referred to hospitals in the city of Charlotte. The cost of hospitalization will be the responsibility of students and their parents.

Students are urged to carry adequate health insurance to protect themselves against the possibility of serious illness or injury requiring hospitalization or expensive medication and/or treatment. The University has accident and hospitalization insurance, which is required of each student. Cost of treatment and hospitalization beyond the amount covered by this insurance is the responsibility of the students and their parents.

Students with coverage under a family health plan should check frequently their status in the plan since most family plans have certain age limitations.

Student Activities and the University Union

The program of student activities is a means by which students engage in living-learning experiences in an informal curriculum apart from the classroom. The program is intended to provide activities for development of responsible group participation and avenues for social interaction, for creative use of leisure time, and for cultivation and expression of various student interests. In addition to activities which emanate from the interests of individuals and informal groups, the following organized groups comprise the student activities program:

Governing Organizations: Opportunities for participation in policy-making are provided through membership in the Student Government Association, Student Christian Association, Residence Hall Councils, Pan-Hellenic Council, and Council of non-Greek Organizations.

Honor Societies: Honor societies are student organizations that give recognition for high scholastic achievement in the campus community. Alpha Kappa Mu Honor Society and Alpha Chi National Honor Scholarship Society encompass all students who achieve high scholastic averages in their overall academic performance. Beta Kappa Chi, Sigma Rho Sigma, and Sigma Tau Delta include students who achieve high academic averages in a particular major department.

Academic and Preprofessional Organizations: These student organizations are related to academic departments and preprofessional interests which serve to bring together students who are in a particular academic discipline and those who plan careers in a related profession. The aims are to expand understanding of the academic or professional area and to provide opportunities to relate knowledge and skills acquired in classroom settings to out-of-class situations.

Services: Service organizations seek to enrich the educational experiences of their members through a variety of service endeavors on campus and in the community.

Performing Groups: Performing groups consist of those students with outstanding talents in the performing arts or athletics. These organizations serve to recognize those individuals who contribute their talents and skills to the campus community through their participation in the performing activities on campus.

Fraternities, Sororities, and Social Fellowships: Eight national Greek letter fraternities and sororities and four national social fellowships are chartered to establish chapters on the campus.

The University Union: The University Union is more than a building. It is an organized program of social, recreational, and

individual-interest activities available to all students, the faculty, the administrators, and the staff. The program is also available for use by alumni.

The Union program is administered through an organizational structure consisting of the Governing Board, the Program Board and its several subcommittees, and a professional staff.

The University Union functions as a part of the educational program of the institution, its goal being the development of the total individual. The Union serves as a citizenship laboratory, training students for social leadership and responsibility. It provides a cultural and recreational program, seeking to foster correlation between study and free time. Finally, it encourages self-directed activity, providing opportunities for self-realization and individual and group social competency.

Campus Radio: WJCS, a gift from WSOC, is Johnson C. Smith's campus-wide AM radio station. It is affiliated with the growing Communication Arts Department and serves a dual purpose. For the serious communications student interested in a radio broadcasting career, it is a teaching tool and a laboratory for developing skills; for the general student, it is a source of information and entertainment. The station serves as a laboratory for the full academic day and broadcasts to the students during the lunch hour and the dinner hour with sign off time at midnight.

Financial Aid

Application Procedure

A student must file an application for student financial aid each academic year. One annual application, when properly completed, will place the applicant in consideration for any student aid funds administered by the Student Financial Aid Office. Applications should be filed with The Director, Office of Student Financial Aid, Johnson C. Smith University, Charlotte, North Carolina 28216.

All applicants for financial assistance must submit a statement of family financial resources. The parents or guardians of an applicant must complete and mail the Parents' Confidential Statement (PCS) or the Financial Aid Form (FAF) to the Office of Student Financial Aid, Johnson C. Smith University, or to College Scholarship Service, Princeton, New Jersey. Students needing reports sent to other institutions should send the PCS/FAF to College Scholarship Service because statements filed with Johnson C. Smith University will be used for this institution only. Self-supporting students should use the Financial Aid Form (FAF) only. These forms are available at high school guidance offices and at the Student Financial Aid Office at the University. Students who expect to receive academic scholarships, athletic grants, or music grants must submit their applications in the same manner as those who apply for federal assistance.

As a general rule, the deadline for all applications is April 15 of each year; however, applications are accepted after this date for students who are admitted after April 15.

A student's eligibility for the BEOG award is taken into account in the amount of aid awarded from funds administered by the institution. The BEOG will likely constitute a considerable portion of the total amount of aid awarded; however, it is imperative that applicants file BEOG applications as soon as the forms are available.

Scholarships

Academic Scholarships: A limited number of academic scholarships (Duke Scholars) are offered in the freshman year, primarily to participants in the Honors Program. Recipients are selected from high school seniors with very high scores on the Scholastic Aptitude Test (SAT) and exceptional high school records. Scholarships to recipients who maintain the highest cumulative averages, 3.0 (**B**) and above, will be considered for renewal if funds are available.

North Carolina Scholarships: Johnson C. Smith receives state support based on the number of North Carolina residents enrolled. All in-state students who apply for aid from the University and show need for financial assistance will be given consideration for these scholarships.

Music Scholarships: Music scholarships are available to persons who demonstrate exceptional skills in choir and band. Recipients of these awards must be recommended by either the choir or the band director at Johnson C. Smith.

Grants

Basic Educational Opportunity Grants: The Education Amendments of 1972 authorized a new program of financial aid, the Basic Educational Opportunity Grants (BEOG). This program provides awards to students based on an eligibility index as determined by a central processing agency. The grant provides up to one half of the actual cost of attendance at the institution but must not exceed the student's determined need. A Basic Grant application must be filed each year according to instructions. Students may obtain forms from high school guidance offices, post offices, and the Johnson C. Smith Financial Aid Office, or they may write to the B E O G Program, Post Office Box 84, Washington, D. C. 20044.

Athletic Grants-in-Aid: Grants-in-Aid are available to students with athletic ability. Awards are made for performance in football, basketball, track, tennis, golf, and swimming, but recipients must be recommended by the coaches in each department.

Loans

National Direct Student Loans: The National Direct Student Loan (NDSL) Program, formerly the National Defense Student Loan Program, is supported by contributions from the federal government, the institution, and repayment from previous borrowers. These loans are available to undergraduate students, dependent

upon the extent of the student's need and the availability of funds. A borrower may receive a maximum of \$5000 during his undergraduate years.

Repayment of a National Direct Loan does not begin and interest is not charged as long as the borrower is enrolled at least half time at an institution of higher learning. Repayment of principal, plus 8% per annum, begins nine months after the borrower ceases to be at least a half-time student. A ten-year repayment period is possible for large indebtedness; however, a minimum payment of \$30 per month is required. Repayment installments may be postponed for a maximum of three years if the borrower is a member of the military service, Peace Corps, or VISTA.

Guaranteed Student Loans: The Guaranteed Student Loan Program provides loans from private lenders (banks, credit unions, and the like) to students whose adjusted family incomes are less than \$25,000. Interest is at 7% per year with the federal government paying the interest during the period for those students who qualify for the federal interest benefit.

Procedures for applying for Guaranteed Loans may differ in each state. Application forms may be obtained from the lending agency itself or from the Financial Aid Office at the University.

Part-Time Employment

College Work-Study: The federally supported College Work-Study Program provides jobs for students clearly in need of assistance to enter or to continue in school. Jobs are available in all areas of the University.

Students approved for the College Work-Study Program are allocated a specific number of hours which they may work during the academic year, based on the extent of their financial need. Usually a student works fifteen hours per week. Annual renewal of a Work-Study assignment is dependent upon the student's application for the job, the financial need, and the employer's satisfaction.

Institutional Work Aid: The University provides funds for employment of a limited number of students who show lesser need or who do not qualify for the federal College Work-Study Program. The Institutional Work Aid Program follows the same principles of the College Work-Study Program in terms of hours, wages, and pay periods. Payment is made as a direct credit to students' accounts.

PACE Program: The University uses a portion of its federal College Work-Study funds to provide full-time summer jobs for needy North Carolina students through the PACE Program. Jobs in public nonprofit agencies in all North Carolina counties are established through the student's home town. The student is expected to save a designated amount of the earnings from summer employment to help to meet college expenses for the following academic year. The student's expected savings are made a part of the financial aid award from the University.

Students interested in the PACE Program must complete the PACE application, which is available from the high school guidance counselor or from the Financial Aid Office. Only students showing financial need will be certified for the PACE Program, and students from low income families are given preference.

Awards and Prizes

A limited number of scholarship awards and prizes are available to students with exceptional skills in given areas. Funds for these awards are provided by private donors and companies that are patrons of the University. Interested students may inquire at the Office of Student Financial Aid concerning the eligibility requirements for the awards.

The Robert L. Douglas Memorial Scholarship in Mathematics is awarded by Dr. Clarence F. Stephens, a graduate in the Class of 1938, in honor of the late Dr. R. L. Douglas, who served for a number of years as professor of mathematics at the University. This scholarship of \$100 is awarded annually to a junior or senior mathematics student who has demonstrated ability and enthusiasm for graduate study in mathematics.

The Catherine Hughes Waddell Memorial Scholarship, a merit scholarship of \$500, is awarded to the best all-around student in scholarship and campus citizenship.

The A. O. Steele Prize of \$25 is given annually by the community Leadership Training Class in Religious Education to the freshman making the highest yearly average in religious education.

The Reader's Digest Foundation Endowed Scholarship Fund is provided by a grant of \$2500 from the *Reader's Digest* Foundation through its scholarship program. The annual income from the fund makes scholarship assistance available to a highly qualified student.

The Jefferson Standard Scholarship of \$600 is provided annually by the Jefferson Standard Foundation for a major in business administration.

The Alpha Kappa Mu Honor Society Award is given to a sophomore student with the highest average.

The Samuel W. Byuarm Award, presented by the National Council of Christians and Jews, is for students who have demonstrated an interest in promoting human relations.

The Morrison Scholarship Award is given annually by Eugene C. Morrison, a graduate of the Class of 1936, in honor of his mother and father, the late Susie A. and James W. Morrison. The recipient of this award must be a student who needs financial assistance and who demonstrates integrity, ambition, and ability to become involved.

Other Forms of Educational Assistance

Other sources of financial aid not administered by the Student Aid Office are available for assisting students in meeting their

educational expenses. Assistance from outside agencies or programs may provide the full amount needed by the student, or it may be combined with an award from the University to meet this need. Information about other forms of aid can be made available upon request.

Career Planning and Placement

Career Planning: Students are assisted in career exploration and planning through career and vocational counseling and through the maintenance of a library of career information.

Job Placement: The Career Planning and Placement Center provides assistance in seeking part-time, summer, and career employment. The center maintains contact with business, industry, school systems, government, and nonprofit and educational organizations. It provides job listings and schedules campus recruitment visits and interviews by representatives of these organizations. Credential services are provided for those persons who are registered with the center. These services are available to undergraduates, graduating seniors, and alumni. Students are given assistance in interview behavior, in techniques of job seeking, and in selection of positions in which their training and capabilities will best be utilized.

Cooperative Education: The Cooperative Education Program is designed to expose students to the actual world of work in order to assist them in applying the knowledge and principles learned in the classroom to work experience. This program integrates classroom experience with on-the-job work experiences in industry, business, or service occupations. A student classified as a junior with not less than a **C** average is eligible to apply for participation in the Cooperative Education Program. Participants receive at least six credits and comparable salaries during their tour of duty. Students who are employed out of town are still enrolled in the University.

Participation in the program could cause graduation to be delayed by one or two semesters, but the rewards are well worth the delay.

Standards for Student Life

Johnson C. Smith University assumes that it is a community of mature students. It, therefore, expects the students to engage in life patterns that are consistent with this basic assumption.

The University standards are designed to maintain those conditions which will guarantee the best possible development of the mental, physical, social, and spiritual potentialities of every student on the campus. Success in this connection is dependent upon the fullest cooperation of everyone who participates in the life of the University.

Membership in the University

Attendance at Johnson C. Smith University is a privilege, not an inherent right. The University requires each student to observe

the guidelines for student life in the University as found in this catalog, in the *Student Handbook*, in housing regulations governing life in the residence halls, and in other policies and procedures in official University publications.

The University reserves the right to cancel the enrollment of any student who abuses this privilege and violates the standards of life in the University when it is determined through the established process that a student has forfeited the privilege to remain in the University.

The basic standards, policies, and procedures for student life are set forth in the *Student Handbook* and are supplemented by policies and procedures specific to the various administrative and academic offices.

Administration of University Regulations and Standards

Regulations are normally administered by the office responsible for the areas which the regulations govern. When difficulties in observance of these regulations cannot be resolved by the administrative supervisor of that area, the problem is referred for adjudication through the judicial system established for student discipline as outlined in the *Student Handbook*.

ATHLETICS

Physical education, health, and athletics are considered integral parts of the total educational program offered at Johnson C. Smith University.

The University is a member of the Central Intercollegiate Athletic Association, the National Collegiate Athletic Association, the National Association of Intercollegiate Athletics, the American Tennis Association, and the National Intramural Association.



ADMISSIONS

REQUIREMENTS FOR ADMISSION

Johnson C. Smith University will accept, without regard to race, color, sex, or national origin, all qualified applicants approved by the Admissions Committee.

Admission to the freshman class is generally limited to recommended graduates of accredited secondary schools who rank in the upper two thirds of their class and who have taken the College Board (SAT) or the ACT. These students should have a minimum of sixteen units, including four units of English, two units of mathematics, two units of social science, and one unit of science.

Johnson C. Smith University will accept a limited number of academically high risk students. Generally, however, applicants graduating in the fourth quarter of their class and those making a low SAT or ACT score may not be considered for admission.

The Admissions Committee, after reviewing the total record of an applicant, may decide one of the following: first, to admit the student to the regular freshman class but to require the applicant to take such needed courses as may be determined by the placement tests; second, to offer suggestions of other educational programs which may better serve the applicant's needs.

FORMAL APPLICATION

Every candidate for admission must make formal application to the director of admissions. The student must request an application blank from the director of admissions, complete it properly, and return it with the application fee of ten dollars (check or money order made payable to Johnson C. Smith University). THIS FEE IS NOT REFUNDABLE.

Applications for admission are accepted at any time during the year, but all credentials must be on file in the Office of Admissions at least two months before the beginning of the semester in which the applicant plans to enter.

BASIS FOR SELECTION

The decision of admittance is based on the following:

1. Secondary school record
2. Level of performance on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Testing Program
3. Predicted degree of success based on class rank, size of class, and standardized test scores
4. Health record

ACCEPTANCE NOTICE

The application for admission will be processed immediately after the required credentials have been received, and the student will be notified of the decision of the Admissions Committee. A permit to register will be mailed to the approved applicant after the final records, the certification of graduation from high school, and the pre-entrance medical record have been received.

Applicants for admission may arrange to visit the University. This visit, however, is not a requirement for acceptance. Appointments for such visits should be made in advance.

FINANCIAL ASSISTANCE

Information on and application for financial aid may be requested from the director of financial aid. (For additional information, see Division of Student Affairs.)

TRANSFER STUDENTS

An applicant from another accredited college or university may be considered for admission to Johnson C. Smith University if the student has an overall average of **C** or above. No transfer credit is given for any course in which the applicant has earned a grade below **C**. Each transcript is evaluated on its own merits in light of its conformity with the program of study in the curriculum of Johnson C. Smith University.

The Admissions Committee will consider favorably only transfer applicants who are in good standing with the institution from which they are transferring.

The University generally will accept a maximum of sixty-four credit hours from a junior college. Credit hours, not grade points, are transferred.

FOREIGN STUDENTS

A prospective foreign student is required to submit the following materials before an admissions decision can be reached on the application:

1. An application form furnished by the director of admissions
2. An original or a certified photostatic copy of a transcript of work completed on the secondary level and, if applicable, on the college level
3. Evidence or proof of proficiency in English (TOEFL)
4. A statement indicating that the applicant's financial resources will enable the student to meet U. S. study costs
5. A one thousand dollar retainer fee before the release of the I-20 form
6. Three letters of recommendation acknowledged directly from their senders

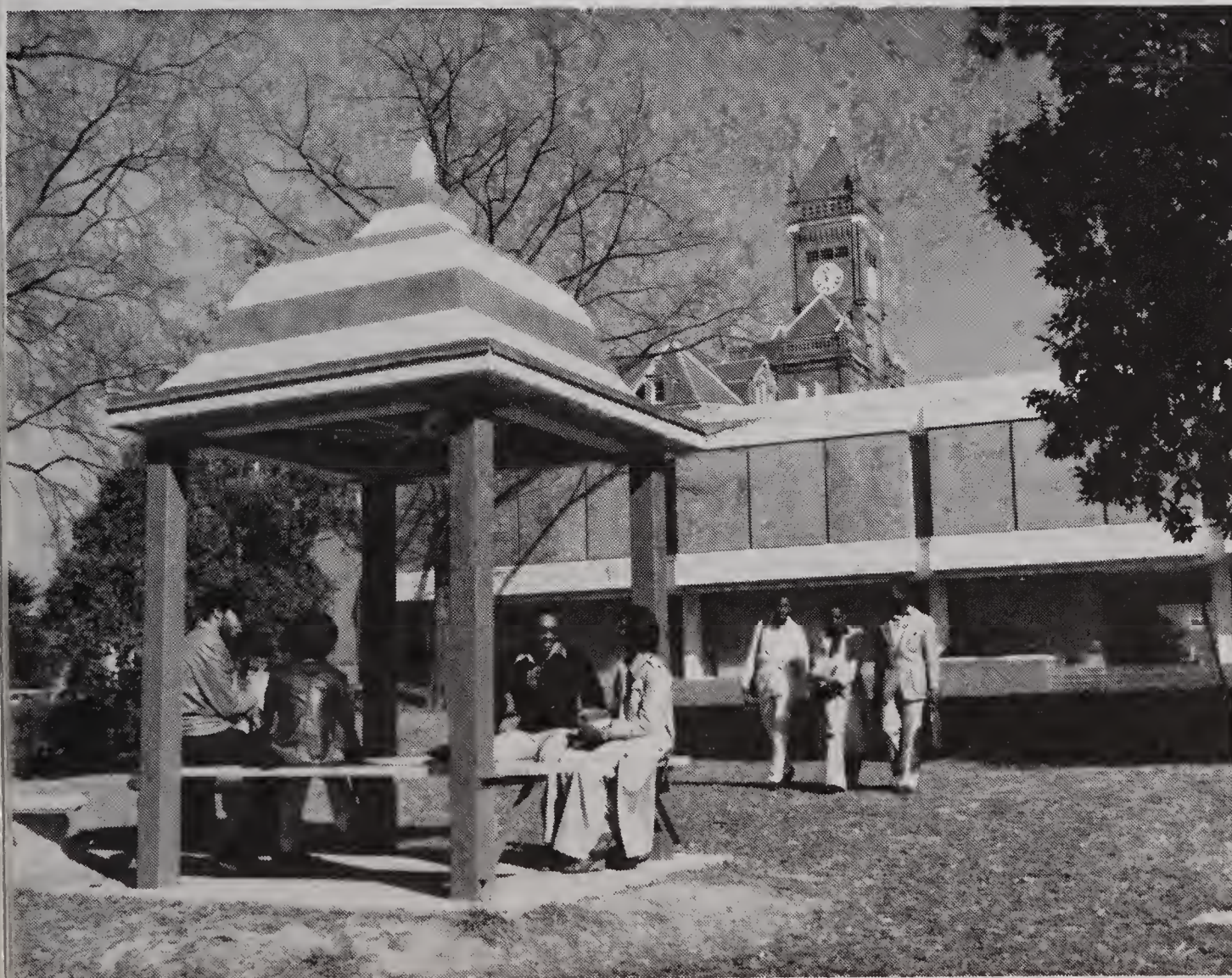
7. A health certificate
8. A certified chronological list of all courses taken from the beginning of elementary school to the highest level attained. (A foreign student attending another U. S. institution will not be considered for admission on a transfer basis until the applicant has completed at least one semester—preferably one year—of study at the institution which issued the I-20 form.)

SPECIAL STUDENTS

Applicants may enter Johnson C. Smith University for the purpose of taking certain courses without becoming candidates for a degree. They will not be subject to the specific requirements for admission but must prove to their instructors the ability to pursue successfully the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students will not participate in intercollegiate athletics or other student activities. They will be subject to the same rules and regulations as regular students.

READMISSION OF FORMER STUDENTS

A student who has withdrawn in good standing and who subsequently seeks readmission must apply in writing through the Registrar's Office. Re-entering students **MUST** receive notice of approval before returning to the University.



FINANCES

REGULAR FEES

The fees and charges listed herein are applicable to all students. In addition to regular fees and charges, a separate listing of special fees and charges is provided for those persons who may be affected. Travel, clothing, books, and other personal expenses are not included. However, the cost of textbooks and supplies can be expected to average at least \$150.00 per year or \$75.00 per semester.

Regular Session Fees	Per Semester	Per Year
Tuition	\$ 723.00	\$1,446.00
Union Fee	50.00	100.00
Athletic Fee	15.00	30.00
Insurance and Health Fee	10.00	20.00
UNCF Fee	2.00	4.00
Total Fees: Boarding and Lodging Students	\$1,400.00	\$2,800.00
Part-Time Student Tuition and Fee Rates: Per Semester Hour (Fewer than 12 hours)	\$ 60.00	\$ 60.00

Total semester fees and charges are due and payable in full on or before registration of each semester. Any student who fails to complete the required full payment of fees and charges will be assessed an additional fee of \$24.00 per year for partially defraying the cost of handling an installment arrangement.

Payments must be mailed at least two weeks prior to due date or must be made in person at the time of registration. Students are strongly urged to pay in advance to reduce the registration procedure time. Remittances of money for school expenses should be made by certified check or money order, payable to Johnson C. Smith University. Students should address payments to the Cashier's Office, Johnson C. Smith University, Charlotte, North Carolina 28216.

Any student desiring an installment arrangement should contact the Financial Aid Office for plans available. The Student Aid Office will also be able to furnish information regarding other loan plans available.

INCIDENTAL FEES

Admission Application Fee—New Students	\$10.00
(No refund or credit on account)	
Room Reservation Deposit	25.00
Installment Fee (per year)	24.00
Meal Card Replacement Fee	5.00
ID Card Replacement Fee	5.00

Graduation Fee	15.00
Student Teaching Fee	30.00
Music Private Lesson Fee (one-half credit hour)	15.00
Music Instrument Use Fee (per semester)	10.00
Ambulance (or other medical or dental expense not covered by insurance)	Actual cost
Infirmary Medical Treatment Charges (each visit after first)	2.00
Infirmary Room Charges (each day after third)	6.00
Transcript Fee (after first)	2.00
Late Registration Fee (per day; max.—\$15.00)	5.00
Dormitory Lost Key Fee	1.00
Late Examination Fee (per subject)	2.00
Bad Check Charge (each time returned)	3.00
Excess Credit Hours (per hour)	60.00
Student Government Association Fee (nonrefundable)	
FALL SEMESTER (payable in full)	10.00
SPRING SEMESTER	5.00
Parking Fee	
Campus Students	10.00
Off-campus Students	5.00

AUDITING COURSES

Auditing of courses is open, without credit, to any person upon the payment of all applicable fees. Currently enrolled full-time students may audit courses without additional charges unless total hours exceed eighteen. An auditor is not required to participate in class discussions, to prepare assignments, or to take examinations.

REFUNDS

Eligibility: A student is only entitled to a cash refund when an excess amount of cash has been paid by the parents or the student. The cash refund is calculated on the pro rata share of cash paid and all federal/state restricted scholarship aid received by the student for a semester. The unused share of BEOG, SOG, NDSL, state grants, and restricted scholarship aid will be removed from the student's account and redeposited in the respective budgets.

Withdrawal from the University: A student entitled to a cash refund for withdrawing officially from the University must complete the following steps: first, secure five withdrawal cards from the Counseling and Testing Center; second, complete all necessary data; third, obtain official signatures on the card from the counselor, librarian, registrar, and financial officer (the registrar will notify the vice-president of academic affairs and the faculty); fourth, return four of the five signed cards and the identification

card to the Counseling and Testing Center; fifth, retain one copy for personal files.

NOTE: If the student has a meal card, it must be deposited in the Office of Financial Affairs on the same day required to submit the withdrawal cards.

Students leaving the University at any time after registration without officially withdrawing will be ineligible for a refund.

Changes in Academic Hours: A full-time student is one who is registered for twelve or more hours. Students must pay for all hours in excess of eighteen with approval of the vice-president for academic affairs. A student charged for hours in excess of eighteen at registration must drop these within fifteen calendar days from the first day of registration in order to have charges removed.

A student who is registered for twelve hours or more and decides to reduce the number below twelve hours must do so within fifteen calendar days from the first day of registration in order to have charges removed. Charges will be computed on a per credit hour basis for students officially registered for fewer than twelve hours, and the student will be classified as part-time.

There will not be any charges for changes when the registered course level is between twelve and eighteen hours.

Adjustment of Fees: The following schedule will be used in making cash refunds for withdrawing:

Withdrawal Periods	Percent of Refund
(Weeks are counted from first official day of registration.)	
1 - 2 weeks	85%
3 - 4 weeks	70%
5 - 8 weeks	45%

After eight weeks a student is liable and must pay all charges made during that semester.

SPECIAL NOTICES AND EXPLANATIONS

1. The University reserves the right to increase or to decrease all fees and charges and to add or to delete items of expense without advance notice as circumstances, in the judgment of the administration, may require.
2. The official date for a student to withdraw from the University is the date affixed upon completion of the withdrawal process. The withdrawal forms are filed with the Office of the Director of Counseling and Testing.
3. Room and board rates are based on the average cost of operations for the entire school year. These rates include provision for services only during the scheduled operational days. Therefore, allowances have been made for the Christmas and spring holidays when these facilities are

closed. Every student is strongly advised to be prepared to vacate the campus premises during these two vacation periods.

4. The University is not responsible for theft or damage to students' personal property arising from any cause.
5. Students who, through malicious or negligent conduct, lose, damage, or abuse University property will be subject to disciplinary action and will be required to pay, at replacement cost, for such loss or damage.
6. Personal spending money or allowances should be sent directly and made payable to the student in the form of money orders or certified checks. The University cannot cash personal checks for students.
7. The diploma and transcripts of records are withheld until the student has paid in full all fees and charges due the University. Moreover, a student in debt to the University in any amount will not be admitted to final examinations in any course or be permitted to register for any subsequent semester or term until the obligations are met. Any student whose account is in arrears by thirty days or more is subject to dismissal from school for nonpayment of fees.
8. Student teachers who are boarding students at the University will be granted credit on their accounts for meals missed during their absence from the campus, provided the meal card is surrendered at the Business Office prior to their official leave. No credit will be allowed on room rent or other fees.
9. The student is responsible for personal laundry and dry cleaning.
10. Cooking or the use of electrical or mechanical cooking appliances in the University residence halls is prohibited.
11. No student who is indebted to the University will be permitted to join a social fraternity or sorority.

THE ACADEMIC PROGRAM

REGISTRATION

Time: All students must register at the beginning of each semester, whether they were in residence the preceding semester or not. Students are required to register in person at the University between 8:15 a.m. and 5:15 p.m. on the days designated. New students and freshmen will be advised regarding courses and registration procedures during orientation sessions at the beginning of each semester. Dates specified for new students and freshmen to register are listed in the University Calendar. All students will report for registration as indicated in the University Calendar.

Late Registration: Students may be allowed late registration upon the payment of a late fee of five dollars per day, but no student will be permitted to register later than the time specified in the calendar.

Changes in Registration: If a student finds it necessary to make a change in the program of study after he has registered, the change must be made through the Registrar's Office on blanks provided for that purpose. For any such change the student must obtain the permission of the instructor and the adviser. This procedure is followed for dropping or adding a course.

The adding of courses must be completed before the time for making changes expires. A COURSE DROPPED WITHOUT PERMISSION IS CONSIDERED A FAILURE AND IS RECORDED AS SUCH.

NO REFUND IS GIVEN FOR COURSES DROPPED AFTER TEN DAYS FROM THE DATE OF REGISTRATION.

Student Load and Excess Hours: The normal load for all students is 15-18 credit hours. In the Summer Session the normal load is 6 credit hours. Students wishing to take hours in excess of 18 credit hours will be charged for extra hours at the rate of \$60.00 per credit hour. The fee for extra hours may be paid on the installment plan for a given semester. (Special permission must be obtained from the vice-president for academic affairs.)

GRADES AND CREDIT

Symbols: The quality of a student's work in a course must be reported to the registrar by the use of the following grades: **A**, **B**, **C**, **D**, **P**, **F**, and **I**. **A** denotes excellent scholarship; **B**, good; **C**, fair; **D**, poor. Work reported as the grade of **D** cannot be raised to a higher grade by examination. **F** indicates failure; a student receiving such a grade may repeat the course. **P** is the passing grade assigned to all courses for which no credit is allowed. The grade **I** indicates that the work has not been completed and that the student did not withdraw from the class. A student who officially drops a course will receive the grade of **W**.

Grade Points: Grade points are determined by multiplying the number of credit hours which a course yields by the grade point value of the grade. Grade points are computed as follows: **A**, 4 points for each credit hour; **B**, 3; **C**, 2; **D**, 1; **P**, 0; **F**, 0.

Grade for Major Work: No grade below **C** will count for credit in the student's major or minor work, and no student will be permitted to enroll for student teaching without a minimum grade of **C** in the designated course to teach.

Course Examinations: All students are required to take the final examination. Exceptions to this rule are granted by the department head. **FAILURE TO TAKE AN EXAMINATION DOES NOT GUARANTEE A GRADE OF I.**

Incompletes: A student who, as a result of sickness or some other unavoidable cause, has not fully satisfied the requirements of a course may be given a grade of **I**, if the successful completion of the work will enable the student to earn a passing grade. The incomplete may be removed while the student is not enrolled, but it must be removed within six weeks after the beginning of the next semester in which the student is enrolled. Any incomplete not made up by the end of the next semester in which the student is enrolled will be changed to an **F** on the student's permanent record. When the grade of **I** has been removed, the student must secure the necessary form from the Registrar's Office, take it to the Office of Financial Affairs, pay the necessary fee for removing incompletes, then submit the form to the instructor, who will report the final grade to the registrar.

IF A STUDENT DOES NOT ENROLL WITHIN TWO YEARS AFTER RECEIVING THE I, THE INCOMPLETE BECOMES A PERMANENT I.

Repeating of Courses: No student will receive credit for the same course twice. If any course is repeated in which credit hours are earned, the student's permanent record will be adjusted by subtracting the hours of the lower grade from the total hours earned. Credit hours will then be recorded for only the higher grade.

Withdrawal: Any student desiring to withdraw from the University during a semester must comply with the regulations explained on page 25; otherwise, all grades will be recorded as **F**.

Transfer of Credit: Students may obtain credit by attending another college or university during the summer if the following conditions are met:

1. The proposed institution of study must be accredited by one of the six regional accrediting agencies of the United States and must offer the corresponding work at Johnson C. Smith University.
2. Approval is to be secured from instructors, advisers, and heads of the departments at Johnson C. Smith. Application for approval must be submitted on the proper form obtainable from the Registrar's Office. When the form has

been properly executed, it is returned to the Registrar's Office. Elective credits may be received for certain courses which do not correspond to any offered at Johnson C. Smith, provided approval is first received from the appropriate department head.

3. Approved courses in which the student receives a grade of **C** or better are transferable with the credit hours and grade points earned. **CREDIT WITH GRADE BELOW C WILL NOT BE ACCEPTED.** Where quarter hours are taken, they will be converted at the rate of three semester hours to equal five quarter hours.
4. Normally, no more than fifteen hours, **EXCLUDING COURSE WORK THROUGH THE CONSORTIUM**, may be transferred.

NOTE: Work experiences, institute participation, and travel experiences for credit must be cleared and approved before a student takes part in such a venture.

Exceptions to the conditions listed above will only be made when approval results from a meeting of the vice-president for academic affairs, academic adviser, registrar, and president, ex officio.

THE STUDENT IS RESPONSIBLE FOR FOLLOWING THE PROCEDURES LISTED ABOVE.

Grade Reports: At the end of each semester, grade reports are sent to parents or guardians. The Academic Office is given a six-week report to indicate failures in course work. Only semester grades are permanently recorded.

CLASSIFICATION OF STUDENTS

Students in the University are classified for the year at the beginning of the **FALL SEMESTER** according to records in the Registrar's Office. The basis for this classification is as follows:

Seniors: Students who have, unconditionally, at least 90 credit hours of work and who have earned at least 180 quality points

Juniors: Students who have, unconditionally, at least 60 credit hours of work and who have earned at least 120 quality points

Sophomores: Students who have at least 30 credit hours of work and who have earned at least 60 quality points

Freshmen: All other students, not registered as special, without regard to date of admission

Specials: Students who have not been admitted to candidacy for a degree

MAINTENANCE OF SCHOLARSHIP

Class Attendance: All students are expected to attend classes. Students taking 100- and 200-level courses will be required to attend classes in those courses. Students on probation and on

warning will be required to attend classes in all their courses. These students will be allowed no more than twice as many absences as credit hours in the course. A student who has been absent for more than the allotted number of times may drop the course officially (W—no credit) or may automatically receive a failing grade of **F** for the course. Exception may be made by written request for waiver by faculty members and approval by the director of Freshman-Sophomore Studies.

Academic Status: A student who is in good academic standing at Johnson C. Smith University has a minimum grade point average of 2.0 (twice as many grade points as credit hours attempted). Every course for which a student has registered and from which the student does not officially withdraw is classified as attempted. Credit hours attempted are adjusted to reflect only the last attempt for repeated courses.

A student who is not in good standing is either on warning or on probation, according to the number of hours attempted and the number of grade points earned. A student on warning may continue to work toward the improvement of scholarship. A student on probation has one semester to remove the probationary status. The failure to remove the probationary status at the end of the semester in which the student has been placed on probation will result in the student's automatic dismissal for poor scholarship.

Academic Warning, Probation, and Suspension

A student who earns less than a 2.0 average during any semester but has had a satisfactory record previously will be given academic warning, probation, or suspension according to the table below:

Credit Hours Attempted	Probation (Deficient in Grade Points)	Suspension (Deficient in Grade Points)
1-6	7-9	10
7-12	13-15	16
13-18	16-18	19
19-30	19-21	22
31-48	16-18	19
49-60	13-15	16
61-72	10-12	13
73-84	7-10	11
85-90	4-9	10
91-	1-9	10

A transfer student who enters Johnson C. Smith University with junior standing is assured retention for the first semester. The student who is within the probationary range at the end of the first semester is eligible to continue for a second semester but must clear probationary status by the end of the second semester to avoid dismissal.

HONORS LIST

At the end of each semester an Honors List consisting of students who have earned a grade point average of 3.0 or better is published. Only students who are registered for a minimum of fifteen credit hours will be considered for the Honors List.

THE HONORS PROGRAM

Purpose

The purpose of the Honors Program is to meet the academic and creative needs and aspirations of students of exceptional academic ability who accept the invitation to participate in the program. These needs are determined through a continual process of investigation, planning, and evaluation conducted by the Honors Program Committee, which is comprised of faculty and students. The general structure of the Honors Program is determined by the Honors Program Committee, but the specific modes of implementation are determined by the faculty and the students working in the Honors Program.

Beginning in the first semester of their freshman year, the students in the Honors Program are afforded unusual opportunities to experience a wide variety of educational endeavors throughout the entire duration of college. Through special channels designed to encourage and to facilitate a high level of academic achievement, the Honors Program student will work to develop a trained mind which can adapt to the changing world.

Structure

Students are enrolled in two types of courses: courses in which only Honors Program students are enrolled and courses in which both Honors Program students and other students are enrolled. Departmental honors (additional title, if any, as well as number and credit hours) will be determined by the department. Courses are designed for the Honors Program students and other exceptional students, but initiative, as well as the design and the staffing, rests with the department. Whenever Honors Program students are enrolled for Honors Program credit, the course is subject to approval by the Honors Program Committee.

In in-course honors (title, numbers, hours, and credit given in the regular catalog listing), special work is designed for one or more Honors Program students enrolled in a regular course. The students and the instructor share in the initiative and the design; however, the final design is subject to approval by the Honors Program Committee.

Freshman Honors in Humanities

Courses	Credit Hours
Honors English 141-142	8
Honors Philosophy 131-132	
or	
Honors Religion 130-131	6
Honors History 131-132	6

Honors English 141-142, Composition, Literature, and Cultural Enrichment, is a team-taught course in which students satisfy the requirements for English composition and world literature. Students are taught the fundamentals of composition and are given wide experience in creative and expository writing. Literary masterpieces are studied in conjunction with composition. For cultural enrichment, students attend plays, operas, concerts, and cultural seminars in the Charlotte-Mecklenburg area and participate in educational television drama series whenever possible.

Structure

Special team-taught honors courses are included in English, philosophy, and history. Students earn ten credit hours per semester: nine for participation in these courses and an additional hour (one credit) for special enrichment activities in the English component. Likewise, students may elect to take in-course honors in mathematics, from which they can earn three credit hours in the Honors Program during their freshman year.

Sophomore Honors in Social and Political Science

Students take special departmental honors courses—for example, Honors Political Science 131 : American Government. This course, which has a seminar design, is a study of the development, structure, and operation of the American political system. The requirement is three hours.

Junior Honors

Students conduct research and independent study in their major fields under the guidance of the faculty. Although the requirement is three hours, a reduction in the number of hours will be made in special cases.

Senior Honors

Students conduct research and independent study in any field of interest under the guidance of the faculty. They present their papers to the Honors Program Committee. The requirement is three hours; however, a reduction in the number of hours will be made in special cases.

Grading Policies

For those students who have maintained a grade of **B** or above on their honors projects, the word **Honors** will be placed on grade sheets beside the students' names. The reason is to designate creditable performance in special HONORS COURSES, IN-CLASS HONORS, and INDEPENDENT STUDY.

Financial Assistance

Students in the Honors Program receive financial assistance to cover tuition. They are required to maintain a 3.0 average in order to retain their scholarship for four years.

NEW DOORWAYS TO TEACHING AND LEARNING

New Doorways to Teaching and Learning is concerned with more effective teaching and learning at Johnson C. Smith University. The purpose is to aid the new student in obtaining mastery of the basic skills: reading with comprehension and understanding, writing with logic and clarity, communicating with effectiveness, and handling mathematical concepts with accuracy.

By use of diagnostic tests, individualized instruction, classroom lectures, tutors, counselors, audio-visual aids, clinics, and small group sessions, the students progress at their own pace through the general education requirements. At the end of the sophomore year, the students are expected to function effectively in their areas of specialization in the upper division of the University.

GENERAL EDUCATION PROGRAM

The main purpose of the general education program is to enable each student to acquire a broad and substantial foundation in the major fields of knowledge. The program is designed to complement the program of specialized education by preparing students for responsible and imaginative living, as well as for integrated members of the society.

Entering freshmen are required to take a series of examinations for placement and counseling purposes during Freshman Week. The achievement tests in mathematics, foreign language, and English are for placement; interest and psychological tests are for use in counseling.

Students who, through testing, demonstrate proficiency in a subject matter area may be given advanced standing in that specific area. This procedure, however, will not reduce the total number of hours required for graduation.

A student may begin a major in the freshman year.

Freshmen will not be permitted to take more than the normal load, fifteen to eighteen credit hours.

Students who score less than 110 on the Master Pre-Test, less than 8.5 on the Nelson Reading Test, and less than 27 on the Mathematics Entrance Examination cannot carry more than thirteen or fourteen credit hours for the first two semesters.

General Requirements for Graduation

	Credit Hours
English Composition and Literature	12
English Composition (6 credit hours or the equivalent)	
World Literature (6 credit hours)	
Foreign Language (131, 132, 231, 232—one language) (in all majors except business administration and economics, physical education, intermediate education, early childhood education)	12
The Humanities and Fine Arts	12
Philosophy and/or Religion (6 credit hours)	
Fine Arts (6 credit hours)	

Art	
Music	
Drama	
Speech	
The Social Sciences	12 (distributed over at least three areas)
History	
Economics	
Political Science	
Psychology	
Sociology	
The Natural Sciences and Mathematics	14-15
Mathematics (6-7 credit hours)	
Biological Science (4 credit hours)	
Biology	
Physical Science (4 credit hours)	
Chemistry	
Physics	
Physical Science	
Physical Education	
Personal Hygiene (2 credit hours)	
Activity (2 credit hours)	

Placement

Physical Education—All students must satisfy requirements of the elementary course in swimming, Physical Education 110. Nonswimmers may register for physical education in lieu of one of the required activity courses: Physical Education 114, 115, 116, 117, 118, or 119. Students capable of satisfying the requirements of Physical Education 110 may substitute one of the more advanced courses in swimming for one of the required activity courses, or they may elect to take the regular requirement of two semesters of physical education activity courses.

Mathematics—Students who do not perform satisfactorily on the mathematics placement tests are enrolled in a mathematics course that includes remediation.

Foreign Language—Students taking the test in French will be placed, according to their scores, in French 131, 132, or 231. It is recommended that students who are placed in French 231-232 take French 333-334 in order to have twelve hours of college French. Students taking the test in other foreign languages will follow the same procedures as those required in French.

English—All entering freshman students and transfer students who have not completed at least six hours of credit in English composition must take the Master Pre-Test in English and Communication Skills. Test scores from this placement test are used to determine the entry level of each student in English 190, the composition course. The student will then complete the number of minicourses necessary to receive appropriate credit for the

general education requirement in English composition. (See course description for English 190 in Humanities Division.)

English Proficiency

The University requirement of demonstrated English proficiency must be met by achieving a grade of **C** or better in English 190, the required composition course.

Foreign Language Requirement

Majors in all departments, with the exception of the ones indicated below, are required to take two years of foreign languages (twelve hours in **one** language, distributed as 131, 132, 231, and 232).

- Exceptions:**
1. Students majoring in economics and business administration, music-business administration, intermediate education, early childhood education, and physical education are not required to take a foreign language.
 2. Students majoring in music education are required to take one year of French or the equivalent.

Exemption from Physical Education Activities

Each student is required to participate in the University physical education program. To be exempted from physical education activities for medical reasons, the student must secure a permanent excuse from the University physician. This excuse must be placed on file in the Registrar's Office. **VETERANS ARE EXEMPTED FROM PHYSICAL EDUCATION ACTIVITIES.**

MAJOR PROGRAM

Students may concentrate in any one of four divisions and may major in the following subjects: biology, business administration, chemistry, communication arts, computer science, early childhood education, economics, English, history, intermediate education, mathematics, mathematics-physics, music-business administration, music education, physical education, political science, psychology, social work, and sociology.

Subjects are arranged under the following four divisions:

Division I: **The Humanities**—communication arts, English, French, music, philosophy, religion, Spanish

Division II: **The Social Sciences**—business administration and economics, history, political science, social work, sociology

Division III: **Education, Physical Education and Health, and Psychology**—art, education (early childhood education, intermediate education, and secondary education), geography, health, physical education, psychology

Division IV: **Mathematics and Sciences**—biology, chemistry, computer science, mathematics, physics

Application for Major

It is recommended that students apply for a major not later than the end of the FALL SEMESTER of the sophomore year. As a result, department heads will have adequate time and opportunities to observe and to advise the students while there is enough time to make necessary program adjustments. This plan enables students to find major areas that are most profitable for them. Duplicate forms for applying for the major may be obtained from the Office of the Registrar. When the major is approved, the department head retains a copy of the application and submits the other to the registrar.

Degrees

The University administers four years of work leading to the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work.

Degrees with Honors

To be graduated **cum laude**, a student must have spent at least two years in residence at the University and must have earned an average of 3.0 to 3.49.

To be graduated **magna cum laude**, a student must have spent three years in residence at the University, must have earned an average of 3.5 to 3.69, and must have no grade below **C**.

To be graduated **summa cum laude**, a student must have spent at least three years in residence at the University, must have earned an average of 3.7 to 4.0, and must have no grade below **C**.

Graduation

General Requirements: Candidates for the bachelor's degree must complete at least 120 hours,* must earn a minimum overall grade point average of 2.0, must earn a minimum grade of **C** in any course that counts toward the major, and must satisfy all requirements of the curricula in the general education program.

Seniors who have not met the academic requirements for graduation may enroll in other accredited colleges or universities to satisfy requirements, if both the courses to be taken and the institution to be attended are first approved by the vice-president of academic affairs, the registrar, the adviser, and the president.

Catalog Requirement: Graduation will be governed by the catalog under which students first enroll in the institution if they graduate within a period of five years. Otherwise, graduation requirements will be governed by the catalog which is in effect at the time they re-enter the institution. This regulation will be subject to such additional conditions that may be established by decisions of the Educational Policies Committee and approved by the University administration.

Residence Requirements: A student must complete in residence at least 30 of the 120 credit hours required for the bachelor's degree.

SUMMER SCHOOL

Admission

The Johnson C. Smith University Summer School is open to all persons who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement
2. Students completing requirements for degrees at other colleges (Statements of approval from a designated official must be presented if credit is to be transferred.)
3. Students completing requirements for degrees at Johnson C. Smith
4. High school graduates intending to pursue a degree at Johnson C. Smith or another institution (These persons must apply for admission to the regular University program through the Office of Admissions at Johnson C. Smith or the institution to which the credit will be transferred.)
5. Inservice teachers who desire to upgrade, to renew, or to convert their certificates for early childhood education (K-3), intermediate (4-9), or secondary education
6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved institution (Johnson C. Smith is certified by the Veterans' Administration to provide training.)

Applications for admission may be obtained by writing to the director of Summer School.

Fees

TUITION for all students is \$240.00* for a normal load of six credit hours. An additional charge of \$40.00* per credit hour will be made for any hours that exceed the normal load. Students who wish to take more than the normal load of six credit hours must consult the director of Summer School. The maximum course load for any student is nine credit hours.

The fee for ROOM AND BOARD is \$169.75.* This fee will cover room rent, three meals per day, bed linen, and two towels per week. No deposit is required. Students desiring room and board facilities should file an application with the director of student life programs.

All fees are due and payable on the day of registration. Fees are not refundable after the first week of each session. No exception to this regulation will be made for illness.

A late registration fee of \$5.00* will be charged after the first day of each session. NOTE: Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fees, payable in advance.

*Subject to change.

Financial Aid

National Direct Student Loans are available for summer study. For information, write to the following address:

Office of Financial Aid
Johnson C. Smith University
Charlotte, North Carolina 28216

Course Offerings and Faculty Selection

Summer School courses are offered in most departments, depending upon demand. The Summer School faculty is usually composed of members from the regular faculty. Because of their special expertise, faculty members from other institutions are sometimes invited to join the Summer School faculty.



COURSE DESCRIPTIONS

System of Course Numbers

The number of each course has three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours. The third digit merely distinguishes the course from other courses in the classification and credit bracket of the department. Some courses have a middle digit of **8** or **9**. The **8** indicates a two-credit course, and the **9** indicates a three-credit course.

Hyphenated courses are regarded as year courses and must be taken in sequence. Courses marked with an unexplained asterisk (*) are required for teacher certification. Courses marked with an unexplained dagger (†) may be used as general education requirements.

DIVISION I: THE HUMANITIES

The Division of Humanities includes four departments: Communication Arts, English, Foreign Languages, and Music. Majors and/or minors are offered in all these departments. Philosophy and religion courses are included in the Department of English.

Humanities

HUMANITIES 390 African Literature and Culture Seminar Three credit hours

An interdisciplinary seminar in African literature, history, religion, art, and music. Members of the staff and guest lecturers, writers, and artists of national and international acclaim to be included in the program. Open to students in the Honors Program, juniors, and seniors. (See English 390, Philosophy 390, and Religion 390.)

HUMANITIES 490 Senior Humanities Seminar Three credit hours

An interdisciplinary seminar for majors in the humanities and in other related fields. A dialogue course designed to provide the opportunity for students to select a topic to be studied from the various perspectives of the humanities. Methods of instruction: independent research, seminar discussion, team teaching, visiting lecturers. Prerequisite: senior standing and permission of staff. (See English 490, Philosophy 490, and Religion 490.) SPRING SEMESTER.

DEPARTMENT OF COMMUNICATION ARTS

The Department of Communication Arts meets today's increasing demand for graduates trained in media. Television and radio stations, newspapers, and performing arts groups are seeking graduates trained to serve as technicians, reporters, broadcasters, photographers, and other persons skilled in communication arts.

The area of mass media today has a greater impact upon the educational and cultural development of American society than

any other single force. Its future vistas are unlimited. Presently, it is the most effective means of connecting the learner with the available knowledge of the world.

The Department of Communication Arts has the following goals: first, to render service to society and the local community by training students to be highly competent in various areas of mass media; second, to maintain a reciprocal relationship between Johnson C. Smith University and local radio, television, and newspaper establishments; third, to provide new job opportunities and to discover new talents in students; and fourth, to help students to develop positive self-images by the accomplishment of work well done and by society's acceptance of worthy contributions.

NOTE: Students in cooperative programs receive practical experience in mass media while establishments provide internships and use of their facilities.

Through the major program, the Department of Communication Arts hopes to attain the following educational objectives: to acquaint the student with the expanding possibilities of the media as art, to offer the student the opportunity for adequate self-expression in at least one medium, to provide the student with practical experience in the campus media, and to provide the student with opportunities for acquiring expanded experience and training in the professional media of Charlotte.

The major in communication arts consists of twenty-four credit hours elected from the areas of communications, drama, journalism, and speech, plus the following required courses: Speech 131 and Speech 132 (can be used to fulfill general education requirements), Journalism 231 (may substitute for English 231), Drama 232 (may substitute for English 232), and Communications 430.

A minor in communication arts consists of eighteen credit hours from the areas of communications, drama, journalism, and speech selected by the student under the guidance of major and minor advisers. Speech 131 and 132 are required. Courses taken to complete the minor exclude those hours taken to fulfill general education requirements in the Division of Humanities.

COMMUNICATIONS

COMMUNICATIONS 231 Introduction to Radio I Three credit hours

History of radio. Writing, producing, directing, and announcing various types of radio programs.

COMMUNICATIONS 232 Introduction to Radio II Three credit hours

News analysis, news interviews, writing and announcing. Remote broadcasts, sports events, the discussion program. Prerequisite: Communications 231.

COMMUNICATIONS 234 Scriptwriting Three credit hours

Instruction and practice in writing for the media.

COMMUNICATIONS 291 Introduction to Television I Three credit hours

Techniques of television. Producing, directing, writing, and announcing. Includes commercials, news, and documentaries.

COMMUNICATIONS 292 Introduction to Television II **Three credit hours**
Techniques of television. Producing, directing, writing, and announcing. Includes news, documentaries, interviews, and dramas. Prerequisite: Communications 291.

COMMUNICATIONS 330 Creative Expression in the Media **Three credit hours**
Exploration of the various art forms as modes of creative expression.

COMMUNICATIONS 331 Filmmaking **Three credit hours**
Practice in selection of subject matter, camera techniques, and editing for the short film.

COMMUNICATIONS 332 Film Criticism **Three credit hours**
Study of the film as an art form. Viewing and criticism of short and longer subjects. Emphasis on contemporary film.

COMMUNICATIONS 333 Photography **Three credit hours**
Camera and darkroom techniques.

COMMUNICATIONS 338 Literature and Media for Adolescents **Three credit hours**
A study of literature and media for adolescents. Open to students of intermediate and secondary education, as well as to inservice teachers. (Same as English 338.)

COMMUNICATIONS 430 Seminar in Mass Media **Three credit hours**
A requirement for senior majors in communication arts.

COMMUNICATIONS 433-434 Media Apprenticeship **Three credit hours**
Practical experience in the professional media. Open only to seniors majoring in communication arts.

DRAMA

Drama 232 and 233 may be used to satisfy general education requirements in the fine arts.

DRAMA 232 Introduction to Drama and the Film **Three credit hours**
A comprehensive survey of history and theory of the theatre from classical to modern times. Examination of the film as art. Required of communication arts majors.

DRAMA 233 Principles of Theatre Arts **Three credit hours**
A survey of theatre arts designed for developing critical skills in reading plays with relationship to the development of the traditional elements of drama. Includes fundamental principles of acting. Special emphasis on black dramatists.

DRAMA 333-334 Drama Workshop **Three credit hours**
A practical course in the staging of plays. Attention given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. Open to all students interested in dramatics. (Though the course may be taken for as many semesters as the student desires, credit will be given only for two semesters' work.)

DRAMA 339 Shakespeare **Three credit hours**
A study of at least twelve of the plays (eight in detail). (Same as English 339.)

DRAMA 430 Drama Apprenticeship **Three credit hours**
 Practical experience in professional drama. Open only to seniors majoring in communication arts.

DRAMA 433 Modern Drama **Three credit hours**
 Extensive reading and study in representative works of modern European and American dramatists. Attention given to purpose, theme, and techniques. (Same as English 433.)

JOURNALISM

JOURNALISM 231 Introduction to Journalism and the Mass Media **Three credit hours**
 Emphasis on the function of the journalist in a democracy. An investigation of contemporary newspapers and other communications media, including radio and television. Required of communication arts majors.

JOURNALISM 232 News Writing **Three credit hours**
 Basic techniques of writing the news story.

JOURNALISM 233 Feature Writing **Three credit hours**
 An introduction to the fundamentals of feature writing and the examination of newspaper and periodical features.

JOURNALISM 234 Magazine and Newspaper Production **Three credit hours**
 Techniques of newspaper and magazine composition and advertising graphics.

JOURNALISM 330 The Afro-American Press **Three credit hours**
 A comprehensive history of the Afro-American Press and an examination of black newspapers.

JOURNALISM 331-332 Reporting **Three credit hours**
 Development of sound news judgment. Practice in various methods of searching the news and in techniques of reporting it. Journalism 232: a prerequisite of 331; Journalism 331: a prerequisite of 332.

JOURNALISM 334 Photojournalism **Three credit hours**
 Techniques of reporting news stories through the medium of the still camera. Prerequisite: Communications 333.

JOURNALISM 433-434 Journalism Workshop **Three credit hours**
 Practical application of techniques of journalism to the operation and production of the student newspaper.

SPEECH

Speech 131, 132, and 330 may be used to satisfy general education requirements.

SPEECH 131-132 Fundamentals of Speech **Three credit hours**
 FALL SEMESTER: consideration of the nature of oral communication. Training in articulation, pronunciation, and vocabulary. SPRING SEMESTER: more intensive training in organization of ideas and instruction in the principles of preparing and presenting effective public messages. Emphasis on types of speeches. Required of communication arts majors.

- SPEECH 230**

Fundamentals of Oral Interpretation

Three credit hours
- Emphasis on understanding literature through the study of meaning, mood, imagery, and theme. Analysis and development of techniques in presentation.
- SPEECH 232**

Theory and Practice of Persuasion

Three credit hours
- Consideration of principles, processes, and methods of persuasion with practice in the preparation and delivery of various types of persuasive speeches. Includes critical and creative problems in both oral and written forms.
- SPEECH 330**

Speaking in the Professions

Three credit hours
- Practice in preparing and presenting various types of speeches expected of professional people and in planning and conducting public discussions. Practice in parliamentary procedure.
- SPEECH 331**

Rhetoric of the Black Revolution

Three credit hours
- An examination of public discourse as it affects and reflects the process of dynamic social change. A consideration of historical and contemporary instances of rhetorical processes.
- SPEECH 332**

Propaganda

Three credit hours
- An examination of the theories and an analysis of the techniques of propaganda.
- SPEECH 430**

Psychology of Speech

Three credit hours
- The psychological principles involved in oral communication and their application to special individual and group problems. (Same as Psychology 430.) SPRING SEMESTER.
- SPEECH 431**

Speech Seminar

Three credit hours
- Topic to be announced. Open to seniors majoring in communication arts.

CURRICULUM FOR COMMUNICATION ARTS MAJORS

Freshman Year		Sophomore Year	
	Credit Hours		Credit Hours
English 190	6	Journalism 231	3
Foreign Language 131-132	6	Drama 232	3
Mathematics 131-132	6	Foreign Language 231-232	6
Social Science	6	Physical Science	4
Speech 131-132	6	Biological Science	4
Swimming 111	1	Social Science	6
Personal Hygiene	2	Philosophy 131	3
	—	Religion 131	3
	33	Physical Education	1
			—
			33
Junior Year		Senior Year	
Electives in Major	18	Communications 430	3
Free Electives	12	Electives in Major	6
	—	Free Electives	15- 21
	30		—
			24- 30
Total number of credits: 120-126			

DEPARTMENT OF ENGLISH

The Department of English seeks to accomplish the following aims: first, to develop in students an adequacy in the skills of effective writing, speaking, listening, and reading; second, to emphasize the importance of a mastery of the tools of communication for achievement in all phases of living; third, to acquaint students with many of the literary masterpieces of the world, together with principles of evaluating them; fourth, to encourage students in the cultivation of a genuine appreciation for literature; fifth, to provide specialized and intensive study in English and American literature, as well as in the English language, for students who desire to pursue careers in the teaching of English or in letters.

The Department of English offers a major program, an English education major, and a minor program.

The major program, consisting of a minimum of thirty credit hours above the sophomore literature requirement, includes courses in English and American literature, language, criticism, and writing. The following courses are required: English 333-334 or 335-336, English 339, English 491, and one of the following: English 330 or English 430. Other courses should be elected to assure acceptable distribution over the entire field of English language and literature. The major program prepares the student for graduate study and for literary professions.

The English education major, consisting of a minimum of twenty-four credit hours above the sophomore literature requirement, includes the basic courses of the major program and the courses in education and psychology as prescribed by the Teacher Education Program. Where feasible, the English education major should secure at least fifteen credits in a second teaching field. The English Education Program prepares the student to teach in the secondary school.

A minor in English consists of eighteen credit hours in English above the sophomore literature requirement.

The following courses are required for the English major and the English education major: English 333-334 or English 335-336, English 339, English 330 or 430, and English 491 or 493. English 338 is highly recommended.

Majors and minors in English will not be given credit for courses in English in which they earn grades below **C**.

TEACHER CERTIFICATION

Students who choose English as a first teaching field are required to follow the curriculum prescribed for prospective teachers of English and to maintain the 2.2 accumulative grade point average required for admission to the Teacher Education Program. No course grade earned in English may be lower than **C**.

LANGUAGE AND WRITING

ENGLISH 131-132 Doorways to Reading and Language Skills

Three credit hours each

Courses in reading and language skills designed for students whose entrance tests indicate a need for intensive review of these skills. Instruction: five hours per week by a teacher of reading and a teacher of English. Programmed materials and laboratory techniques for individualized instruction.

ENGLISH 133-134 English for Foreign Students Three credit hours each

A study of the grammar, structure, phonology, and syntax of the English language. Special emphasis on oral and written expression of American English.

ENGLISH 190 A-B† Doorways to Composition Skills Three credit hours each

A study of composition consisting of four minicourses, including the forms of discourse, the application process, the research paper, and the study of rhetoric.

NOTE: Instruction begins with the minicourse appropriate to the individual student's needs, as indicated by the performance on the placement test. After the completion of four minicourses, or their equivalence, the student exits from the course.

The student who averages a grade less than **C** for performance in a minicourse, or in any portion of it, receives a grade of **I** for the minicourse. Upon satisfactory completion of such work, the student will be assigned a grade of **C**, **B**, or **A**, in keeping with the performance.

ENGLISH 233 Creative Writing

Three credit hours

Study of theory and techniques of the short story, the essay, the novel, and poetry. Individual experimentation in the various genres. Enrollment with prior consent of instructor.

ENGLISH 234 Advanced Composition

Three credit hours

Use of literature as a basis for writing themes and developing oral and written communication skills. Emphasis on specialized kinds of writing. Review of the business letter and English fundamentals. Mastery of the techniques of research, using the *MLA Style Sheet* as a guide. Recommended for all students who wish to increase their proficiency in oral and written composition.

ENGLISH 491* The English Language

Three credit hours

A study of the principles of language study, with special attention to the historical and linguistic forces which have affected the development of the English language.

ENGLISH 493* Modern English Grammar

Three credit hours

Rapid review of traditional grammar and current usage problems, followed by a descriptive analysis of the structure of present-day English in the light of recent research in linguistics.

LITERATURE

ENGLISH 231-232† World Literature

Three credit hours each

An in-depth study of selected literary masterpieces primarily of Western civilization. Attention to major works of other cultures.

NOTE: The chronology of periods and literary movements will be observed wherever feasible; the two halves of the course must be taken in sequence.

ENGLISH 235† Introduction to Fiction **Three credit hours**

A brief historical survey of the development of short fiction in the Western world. Use of representative works to illustrate some major advances in the techniques of short story and short novel composition by European and American writers during the past century and a half. (May substitute for English 232.)

ENGLISH 330 Chaucer **Three credit hours**

Detailed study of the "Canterbury Tales" and "Troilus and Criseyde." Attention to Middle English and medieval culture. Study of changing critical approaches to Chaucer.

ENGLISH 333-334 English Literature **Three credit hours each**

A survey of English literature from Beowulf to selected works of the present time. Offered in alternate years.

ENGLISH 335-336 American Literature **Three credit hours each**

A survey of American literature from selected works of the Colonial Period to selected works of the present time. Offered in alternate years.

ENGLISH 337 The Modern Novel **Three credit hours**

A study of representative novels of the twentieth century.

ENGLISH 339 Shakespeare **Three credit hours**

A study of at least twelve of the plays (eight in detail). (Same as Drama 339.)

ENGLISH 390 African Literature and Culture Seminar **Three credit hours**

The English seminar in the humanities. (See Humanities 390.)

ENGLISH 395 Honors Seminar **Three credit hours**

A seminar for majors who are pursuing departmental honors in English. Thematically organized course. Provides an opportunity for students to study a selected topic by means of independent research and seminar discussions.

ENGLISH 430 Milton **Three credit hours**

Selected prose and all of the English poems.

ENGLISH 431 English Literature of the Restoration and the Eighteenth Century **Three credit hours**

A study of English literature from the Restoration to 1798.

ENGLISH 433 Modern Drama **Three credit hours**

Extensive reading and study in the works of representative modern European and American dramatists. Attention to purpose, theme, and techniques. (Same as Drama 433.)

ENGLISH 435 Studies in Romantic Literature **Three credit hours**

A detailed study of the Romantic Movement, including the major English poets—Blake, Wordsworth, Coleridge, Byron, Shelley, Keats—and a broad understanding of the significant prose of the period.

ENGLISH 436 Studies in Victorian Literature **Three credit hours**

A study of the major post-Romantic poets. Varying choice of subject matter from year to year.

- ENGLISH 437 Contemporary Literature** **Three credit hours**
Study of outstanding figures of British and American literature from 1914 to the present. Varying choice of authors and subjects from year to year.
- ENGLISH 438† Black Literature in Modern America** **Three credit hours**
A study of key writers associated with Black Nationalism and the Black Arts Movement. Varying subject matter from year to year.
- ENGLISH 439 Principles of Literary Criticism** **Three credit hours**
Review of the history of Western criticism, study of developments in literary theory, guided experiences with practical criticism.
- ENGLISH 490 Senior Seminar** **Three credit hours**
(See Humanities 490: Senior Humanities Seminar.)
- ENGLISH 494 Afro-American Literature: 1920 to the Present** **Three credit hours**
A study of the literature of the period and its historical, cultural, and aesthetic perspectives. Open to inservice teachers, juniors, and seniors.
- ENGLISH 495 Honors Seminar** **Three credit hours**
A seminar for senior majors who are pursuing departmental honors in English. Advanced research and discussion of selected topics in literature and related areas. Open to juniors upon recommendation of adviser.
- ENGLISH 499 Independent Study** **One to six credit hours**
A planned and structured project cooperatively defined by student and faculty. Student permitted to contract to complete work in the areas of language, writing, or literature. Enrollment: one, two, or three hours according to the scope of work to be completed. May be taken again for three additional hours of credit. Open to majors and to English education majors.

THE TEACHING OF ENGLISH

- ENGLISH 338 Literature and Media for Adolescents** **Three credit hours**
A study of literature and media for adolescents. Open to students of intermediate and secondary education, as well as to inservice teachers. (Same as Communications 338.)
- ENGLISH 429 The Teaching of English** **Two credit hours**
A study of philosophy, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

ENGLISH HONORS PROGRAM

The purpose of the English Honors Program is to provide an environment in which academically gifted English majors can utilize their full learning potential. The program is designed to stimulate Honors English majors to think and to work independently. Students will also be encouraged to pursue further intellectual and career developments after graduating from Johnson C. Smith.

The English Honors Program adds another dimension to the University Honors Program by enabling honors students with an interest in English to continue honors work begun in their fresh-

man and sophomore years. It also gives English students who are not in the Honors Program an opportunity to develop their full potentiality in their area of special interest.

Requirements for Admittance into the Program

In order to qualify for the English Honors Program, prospective English majors must have a minimum grade of **B** in their freshman and sophomore English courses. Students with a 2.75 average in freshman and sophomore work may be considered for the program if they exhibit potential and seem highly motivated. Such students must have letters of recommendation from at least two of their English professors. It will be left to the discretion of the English Honors Committee whether or not students with a 2.75 average should be admitted into the program.

Students who are interested in the program are required to meet with the English Honors Committee to have the program fully explained and to discuss with the committee their reasons for wanting to participate in the Honors Program.

Kinds of English Honors Courses

The English Honors Program consists of two kinds of honors courses:

1. **In-course honors**, consisting of both English honors students and regular students

Requirements include at least twelve credits of in-course honors work.

Students may choose the courses in which they wish to do honors work, provided the professor teaching the course agrees.

In-course honors work will consist of the following:

- a. More extensive independent research
- b. Required reports in which the findings of the independent research will be presented to the class as a whole
- c. More extensive and in-depth term projects

In-course honors will give the student an opportunity not only to do more independent research but also to gain practical experience in the classroom setting. Moreover, the other students will benefit from the work of the honors student.

2. **Honors seminars**, consisting of English honors students exclusively

Requirements include two honors seminars. One seminar is offered in the first semester of the junior year; another is available in the first semester of the senior year.

Honors seminars will be taught on a rotating basis so that students will be exposed to various members of the English faculty. In some cases, more than one professor might be involved in teaching the honors seminar. The topics will vary from year to year, depending upon the career goals of the honors students.

CURRICULUM FOR ENGLISH MAJORS
Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Foreign Language 131	3	Foreign Language 132	3
Music 131	3	Art 231	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
Physical Education 110	1	Physical Education 111	1
Biology 140	4	Physical Science 141	4
<hr/>		<hr/>	
17-18		17	

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 231	3	English 232	3
Foreign Language 231	3	Foreign Language 232	3
Religion 130	3	Religion 131	3
History 131	3	History 132	3
Speech 131	3	English 233 or 234	3
Physical Education 121	2	<hr/>	
<hr/>		15	
17			

Junior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 333 or 335	3	English 334 or 336	3
English 330 or 430	3	English 339	3
English 439	3	English 491 or 493	3
English 395 or 438	3	Philosophy 231 or 233	3
Psychology 131	3	Elective	3
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15		15	

Senior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 431 or 435	3	English 436 or 437	3
English 490 or 495	3	English 337 or 433	3
Electives	9	Education 330	3
<hr/>		Electives	6
15		<hr/>	
		15	

CURRICULUM FOR ENGLISH EDUCATION MAJORS
Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Foreign Language 131	3	Foreign Language 132	3
Music 131	3	Art 231	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
Physical Education 110	1	Physical Education 111	1
Biology 140	4	Physical Science 141	4
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17-18		17	

Sophomore Year

Fall Semester		Spring Semester	
English 231	3	English 232	3
Foreign Language 231	3	Foreign Language 232	3
Religion 130	3	Religion 131	3
History 131	3	History 132	3
Speech 131	3	English 233 or 234	3
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15		15	

Junior Year

Fall Semester		Spring Semester	
English 333 or 335	3	English 334 or 336	3
English 439	3	English 339	3
English 338 or 438	3	English 491 or 493	3
Education 233	3	English 429	2
Education 221	2	Psychology 237 or 239	3
Education 330	3	Education 222	2
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17		16	

Senior Year

Fall Semester		Spring Semester	
English 330 or 430	3	Education 462	6
English 337 or 433	3	<hr/>	
English 435 or 437	3	6	
Education 236	3		
Physical Education 226	2		
Elective	3		
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17			

REQUIRED COURSES FOR ENGLISH MINORS

English 233 or 234	3
English 333-334 or 335-336	6
English 339	3
English 437 or 494	3
English 491 or 493	3
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PHILOSOPHY AND RELIGION COURSES

PHILOSOPHY

Philosophy courses serve as electives in a wide variety of subjects for students in other disciplines who wish to broaden their intellectual perspectives. An asterisk (*) identifies those elective courses that are designed for all interested students. A double asterisk (**) identifies courses designed especially for students in mathematics and the sciences. Philosophy courses that also serve as general education courses are indicated by a dagger (†) after the course number.

NOTE: A major in philosophy and religion has been discontinued. All students currently enrolled in these disciplines will be allowed to continue until they have fulfilled the requirements for the degree.

PHILOSOPHY 131*† Introduction to Philosophy Three credit hours

A course introducing the student to the reading and doing of philosophy. Discussion of methods of philosophical inquiry and representative philosophical concepts. FALL and SPRING SEMESTERS.

PHILOSOPHY 231* Ancient Philosophy Three credit hours

The history of philosophical thought in the Greco-Roman world from the Ionians to the Roman Stoics. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 233*† Practical Logic Three credit hours

A survey of the basic problems of clear and straight thinking with emphasis on their application to the use of language. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 234*† Ethics Three credit hours

A study of basic methods and selected systems of ethical thinking discussed in terms of their relevance to present-day moral issues facing both individuals and society. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 239 Introduction to Formal Logic and Scientific Method Three credit hours**

A presentation of significant aspects of symbolic and mathematical logic, along with general reference to traditional logic. Prerequisite: Philosophy 131. FALL SEMESTER.

PHILOSOPHY 331* Modern Philosophy Three credit hours

The history of the philosophical thought from the Renaissance to the present time. Prerequisite: Philosophy 231 or permission of the instructor. Alternate years. SPRING SEMESTER.

PHILOSOPHY 333* Philosophy of Religion Three credit hours

A philosophical investigation of such topics as faith and reason, religious language, nature and existence of God, religious view of man. Prerequisite: permission of the instructor. (Same as Religion 333.) Alternate years. SPRING SEMESTER.

PHILOSOPHY 334* Mysticism in the Western World Three credit hours

A study of the great mystics in the West, from pre-Christian Greece through the medieval Age of Faith to Protestant, Catholic, and contemporary non-religious mystics, including various debatable claims regarding "mystical" experience. Prerequisite: permission of the instructor. Alternate years. SPRING SEMESTER.

PHILOSOPHY 336 Philosophy of Science Three credit hours**

The general nature of scientific thought as indicated by the criteria of knowledge, methods, and presuppositions of science. Prerequisite: Philosophy 239 or permission of the instructor. Alternate years. SPRING SEMESTER.

PHILOSOPHY 390 African Literature and Culture Seminar Three credit hours

The philosophy seminar in the humanities. (See Humanities 390.)

PHILOSOPHY 432 Seminar in Philosophy Three credit hours

Advanced research on selected philosophical topics. Prerequisite: permission of the instructor. SPRING SEMESTER.

PHILOSOPHY 490 Philosophy Seminar in the Humanities Three credit hours

(Same as Humanities 490: Senior Humanities Seminar.)

RELIGION

The religion courses provide the opportunity for learning experiences in the following content areas: the Judeo-Christian tradition, including Biblical literature, church history, Afro-American perspectives; the African influence; other major religious traditions in the contemporary world; methods and procedures in Christian education and worship.

NOTE: A major in philosophy and religion has been discontinued. All students currently enrolled in these disciplines will be allowed to continue until they have fulfilled the requirements. Each religion course consists of three credit hours with the exception of 220, 221, and 222. Religion courses that serve to meet general education requirements are indicated by a dagger (†) after the course number.

RELIGION 130† The Judeo-Christian Heritage Three credit hours

The essential insights and ideas of the Old and New Testaments and their continuing values for man today. FALL and SPRING SEMESTERS.

RELIGION 131† Survey of the Great Living Religions Three credit hours

A study of the living religions of the world, including the religions of Africa, in the light of their historical development, beliefs, practices, and contemporary importance. FALL and SPRING SEMESTERS.

RELIGION 220 Worship Two credit hours

A practical study of the objectives, methods, and materials for worship in the Christian Education Program of the local church. SPRING SEMESTER.

RELIGION 221 The Christian Education Program of the Church

Two credit hours

A thorough study of the organization and administration of an effective church program for adults, youth, and children. FALL SEMESTER.

RELIGION 222 Field Experience Two credit hours

Supervised field work in churches or church-related programs. May be repeated once for credit. To be taken in conjunction with Religion 220 and 221.

RELIGION 230 Early Hebrew Religion (to 586 B.C.) Three credit hours

An introduction to the historic, poetic, wisdom, and prophetic literature of the Hebrew people up to the Exile. Literature examined in its historical setting and for its value in the contemporary world. Alternate years. FALL SEMESTER.

RELIGION 231 Later Hebrew Religion (586 B.C. to 70 A.D.) Three credit hours

A continuation of Religion 230. A study of the development of the Hebrew religion and people into Judaism up to the destruction of Jerusalem. Consideration given to apocalyptic and extracanonical writings, as well as to the ancient roots of anti-Semitism. Alternate years. SPRING SEMESTER.

- RELIGION 232 The Life and Teachings of Jesus** **Three credit hours**
A study of the life and teachings of Jesus as found in the four Gospels and their relation to current problems. FALL SEMESTER.
- RELIGION 233 The Pauline Tradition** **Three credit hours**
The particular form of Christian thought, experience, and living portrayed in the life and writings of Paul as recorded in the Book of Acts and in the Pauline letters. Alternate years. SPRING SEMESTER.
- RELIGION 234 The Later Books of the New Testament** **Three credit hours**
The particular forms of Christian thought, experience, and living portrayed in those writings which come from the later years of the New Testament Period. Alternate years. SPRING SEMESTER.
- RELIGION 235 The History of Christianity in Europe to the Seventeenth Century** **Three credit hours**
The historical development of Christian thought and institutions in the Western world: the Early Church Fathers, the Medieval Churchmen, the Protestant Reformers, and European Christianity on the eve of the migrations to America. Alternate years. FALL SEMESTER.
- RELIGION 236 The History of Christianity in America** **Three credit hours**
A continuation of Religion 235. Major aspects of Christian thought and institutions in the United States, from colonial days to the present, with special reference to the development of the Afro-American churches. Alternate years. SPRING SEMESTER.
- RELIGION 330 The Black Man: His Religious Institutions and Thought** **Three credit hours**
A study of the Afro-American religious experience. Attention to its African antecedents, its development in dependence upon and independence of Euro-American Christianity, and the emerging critique of religion's relevance to culture. SPRING SEMESTER.
- RELIGION 331 Recent Developments in Religious Experience** **Three credit hours**
The relation of contemporary religious thought to the occult, witchcraft, astrology, communal living, ESP, drug scene, and new modes of communication. SPRING SEMESTER.
- RELIGION 333 The Philosophy of Religion** **Three credit hours**
A philosophical investigation of such topics as faith and reason, religious language, nature and existence of God, religious view of man. (Same as Philosophy 333.) Alternate years. SPRING SEMESTER.
- RELIGION 334 The Psychology of Religion** **Three credit hours**
A study of the psychological factors in religious experience and the dynamic patterns affecting religious adjustment and maladjustment. Special attention to the problems of sin, guilt, conversion, and religious beliefs. Prerequisite: permission of the instructor. Alternate years. (Same as Psychology 336.) FALL SEMESTER.
- RELIGION 335 The Sociology of Religion** **Three credit hours**
A functional analysis of the interrelationships involving society, culture, and religion. The role of the church and religion in the social order and social change. Alternate years. SPRING SEMESTER.

- RELIGION 336 Religious Dimensions in Art** **Three credit hours**
 New ways of finding sacred beauty in dance, jazz, film, words, painting, sculpture, and architecture. Alternate years. SPRING SEMESTER.
- RELIGION 390 African Literature and Culture Seminar** **Three credit hours**
 The religion seminar in the humanities. (See Humanities 390.)
- RELIGION 430 Seminar in Religion** **Three credit hours**
 Advanced research on selected topics in religion. SPRING SEMESTER.
- RELIGION 490 Religion Seminar in the Humanities** **Three credit hours**
 (Same as Humanities 490: Senior Humanities Seminar.)

DEPARTMENT OF FOREIGN LANGUAGES

The Department of Foreign Languages is committed to assist in providing an environment in which Johnson C. Smith University students may realize their individual potential as stated in the official purpose of the University. The department seeks to contribute to the student's intellectual, spiritual, social, and emotional growth by developing the communicative skills of speaking, reading, and writing a foreign language and by developing a knowledge and an understanding of a foreign culture.

Minors are offered in French and in Spanish. In addition to the objectives previously stated, students who minor in French or Spanish develop the ability to compare and to contrast cultures objectively and to acquire a knowledge of the civilization and literature of the target language.

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students are placed in 232, 231, 132, or 131. Students who have not previously studied French or Spanish may enroll in either Elementary French 131 or Elementary Spanish 131.

FRENCH

A minor in French consists of fifteen credit hours beyond French 232, a total of twenty-seven credit hours or the equivalent.

- FRENCH 131 Elementary French** **Three credit hours**
 An introductory course in the audio-lingual skills of listening, speaking, reading, and writing.
- FRENCH 132 Elementary French** **Three credit hours**
 Further emphasis on the audio-lingual skills. Prerequisite: French 131.
- FRENCH 231 Intermediate French** **Three credit hours**
 Continued stress on reading and writing skills. Newspaper and magazine articles to be used as supplementary materials. Prerequisite: French 132.
- FRENCH 232 Intermediate French** **Three credit hours**
 Reading of selected literary works. Special study of grammatical structure. Prerequisite: French 231.

- FRENCH 331 French Civilization** **Three credit hours**
A series of minicourses conducted in French history, geography, art, music, architecture, film, theater, French-African literature, French for business and international affairs, and conversation. Prerequisite: French 232.
- FRENCH 332 French Civilization** **Three credit hours**
A continuation of French 331.
- FRENCH 333 Advanced Studies in French Conversation, Grammar, and Composition** **Three credit hours**
Instruction in French. Prerequisite: French 232.
- FRENCH 334 French Phonetics** **Three credit hours**
An intensive study in phonetics. Practical application of phonetics to modern standard French. Extensive oral exercises.
- FRENCH 420 Materials and Methods of Teaching High School French** **Two credit hours**
A six-week block course. SPRING SEMESTER.
- FRENCH 430 French Linguistics** **Three credit hours**
A study of the phonology, morphology, and syntax of the French language.
- FRENCH 431 French Literature from the Origins Through the Renaissance** **Three credit hours**
A study of the literature of France in its beginnings and development through the Middle Ages and the Renaissance. Conducted in French.
- FRENCH 432 French Literature of the Seventeenth Century** **Three credit hours**
A study of the masterpieces of the seventeenth century: the works of Corneille, Racine, Moliere, and La Fontaine. Conducted in French.
- FRENCH 433 French Literature of the Eighteenth Century** **Three credit hours**
A study of the significant writers and literary trends of the eighteenth century. Conducted in French.
- FRENCH 434 French Literature of the Nineteenth Century** **Three credit hours**
A study of the significant writers and literary trends of the nineteenth century. Conducted in French.
- FRENCH 435 French Literature of the Twentieth Century** **Three credit hours**
A study of the principal literary trends and significant writers since 1900. Conducted in French.

SPANISH

A minor in Spanish consists of fifteen credit hours beyond Spanish 232 or a total of twenty-seven credit hours.

- SPANISH 131 Elementary Spanish** **Three credit hours**
A course designed to develop the skills necessary for oral and written expression.

SPANISH 132 Elementary Spanish **Three credit hours**
Continued practice in the skills of oral and written expression. Prerequisite: Spanish 131.

SPANISH 231 Intermediate Spanish **Three credit hours**
Further practice in conversation and composition. Analysis of the basic grammatical principles. Prerequisite: Spanish 132.

SPANISH 232 Intermediate Spanish **Three credit hours**
Continued emphasis on spoken and written Spanish. Prerequisite: Spanish 231.

SPANISH 331 Advanced Spanish Grammar, Composition, and Conversation **Three credit hours**
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 232.

SPANISH 332 Advanced Spanish Grammar, Composition, and Conversation **Three credit hours**
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 331.

SPANISH 333 Survey of Spanish and Spanish-American Literature to 1700 **Three credit hours**
Lectures, readings, discussions, and reports conducted in Spanish.

SPANISH 334 Survey of Spanish and Spanish-American Literature Since 1700 **Three credit hours**
Lectures, readings, discussions, and reports conducted in Spanish. Prerequisite: Spanish 333.

SPANISH 431 The Golden Age of Spanish Literature: The Most Important Works **Three credit hours**
Lectures, readings, discussions, and reports. Includes masterpieces of the Golden Age. Conducted in Spanish. Prerequisite: Spanish 332.

DEPARTMENT OF MUSIC

The Department of Music has the following aims and objectives: first, to provide experiences contributing to the students' development as music creators, performers, and teachers; second, to lead students to an understanding of music as a means of universal and personal expression; third, to provide opportunities for students to experience many types and styles of music; fourth, to assist students with special talent and interest to prepare for further education and careers in music-related fields; fifth, to provide career offerings and musical experience for students other than those enrolled in the music major program; and sixth, to provide enrichment for the cultural life of Johnson C. Smith University and the community at large.

Students planning to enter either the music education program or the music-business administration program should begin the course of study in the freshman year.

Each music education major must demonstrate proficiency in a major performing medium by presenting a recital before graduation.

All music education majors must demonstrate proficiency in piano by passing a series of piano examinations. If the major performing medium is not piano, the student must study piano for four years.

All music education majors and minors are required to attend concerts and recitals presented by the department and to participate in ensemble courses during their study at the University.

THE MUSIC EDUCATION MAJOR

The Bachelor of Arts degree with a major in music education is designed for students who wish to be certified in public school music. The music education program prepares the student for the North Carolina **A** certificate for elementary and high school teaching.

The student may select from two areas of preparation in music education: the general program and the instrumental program. Each program requires a minimum of forty-eight credit hours for graduation. A summary of the required courses is as follows: theory, sixteen credit hours; music literature and history, six credit hours; conducting, two credit hours; music education, six credit hours; and applied music, eighteen credit hours.

All music education majors are required to qualify for the North Carolina **A** certificate, and they must complete the professional and certification courses as outlined by the Department of Education, including Education 463, Student Teaching in the Secondary Schools.

THE MUSIC MINOR

A minor in music consists of twenty credit hours, including eight credit hours of theory, six credit hours of music literature and history, and six credit hours of approved electives.

Because of the competencies demanded of music education majors, they are not expected to complete a minor. However, the students who desire to study a minor field must plan to spend more than four years at this University.

MUSIC THEORY

MUSIC 132 The Fundamentals of Music

Three credit hours

A review course in basic musicianship, including the fundamentals of music and music theory.

NOTE: Competencies adequate for entering Music 133-134 must be demonstrated.

MUSIC 133 Music Theory I

Three credit hours

The integrated study of written theory and harmony, keyboard harmony, aural theory, analysis, and literature. Prerequisite: demonstration of competencies required in Music 132.

MUSIC 134 Music Theory II**Three credit hours**

A continuation of areas begun in Music 133. Prerequisite: demonstration of competencies required in Music 133.

MUSIC 233 Music Theory III**Three credit hours**

The advanced integrated study of the materials and literature of music. Prerequisite: demonstration of competencies required in Music 134.

MUSIC 234 Music Theory IV**Three credit hours**

A continuation of areas begun in Music 233. Prerequisite: demonstration of competencies required in Music 233.

MUSIC 322 Conducting**Two credit hours**

A study of the technique of conducting instrumental and vocal groups.

MUSIC 323 Orchestration**Two credit hours**

A study of instruments of the orchestra, together with the practical study of the art of symphonic scoring.

MUSIC 427 Form and Analysis**Two credit hours**

A study of the small part-forms through the larger part-forms.

APPLIED MUSIC**Piano****MUSIC 113-114 Piano (Individual)****One credit hour**

Instruction to meet the needs of students at various stages of proficiency. One half-hour lesson per week. Two or three hours of practice daily.

MUSIC 213-214 Piano (Individual)**One credit hour**

Additional technique and repertoire materials. One half-hour lesson per week. Two or three hours of practice daily.

MUSIC 313-314 Piano (Individual)**One credit hour**

Continuation of advanced technique and literature. One half-hour lesson per week. Two or three hours of practice daily.

MUSIC 413-414 Piano (Individual)**One credit hour**

Continuation of advanced technique and literature. One half-hour lesson per week. Two or three hours of practice daily.

MUSIC 423-424 Piano (Individual)**Two credit hours**

Two half-hour lessons per week.

Organ**MUSIC 117-118 Organ (Individual)****One credit hour**

A course requiring students to demonstrate ability to play the piano fluently, to have a working knowledge of scales, triads, and arpeggios, and to sight-read accurately. Principles of organ touch and technique; preparatory manual and pedal studies; selected pieces from standard organ repertoire. One half-hour lesson per week.

MUSIC 217-218 Organ (Individual)**One credit hour**

Advanced pedal and manual studies continued. Simple modulations at the organ; transpositions and improvisations; repertoire building continued. One half-hour lesson per week.

MUSIC 417-418 Organ (Individual) **One credit hour**
Continuation of previous course. Senior recital. One half-hour lesson per week.

MUSIC 427-428 Organ (Individual) **Two credit hours**
Two half-hour lessons per week.

Voice

MUSIC 115-116 Voice **One credit hour**
Study and principles of voice production, examination and evaluation of solo materials, classification of voices. Prerequisite to advanced courses in voice. Two class hours per week.

MUSIC 215-216 Voice (Individual) **One credit hour**
Continuation of Voice 115-116. One-half hour lesson per week. Daily practice: one to two hours.

MUSIC 315-316 Voice (Individual) **One credit hour**
Continuation of Voice 215-216. One half-hour lesson per week. Daily practice: one to two hours.

MUSIC 415-416 Voice (Individual) **One credit hour**
Continuation of Voice 315-316. One half-hour lesson per week. Daily practice: one to two hours. Senior recital.

MUSIC 425-426 Voice (Individual) **Two credit hours**
Two half-hour lessons per week.

Orchestral Instruments

MUSIC 610-611 String Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions. Two class hours per week.

MUSIC 612-613 Strings (Individual) **One credit hour**

MUSIC 614-615 Strings (Individual) **One credit hour**

MUSIC 616-617 Strings (Individual) **One credit hour**

MUSIC 618-619 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. One half-hour lesson per week.

MUSIC 620-621 Strings (Individual) **Two credit hours**
A study of the technique and repertoire of the chosen instrument. Two half-hour lessons per week.

MUSIC 710-711 Woodwind Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions. Two class hours per week.

MUSIC 712-713 Woodwind (Individual) **One credit hour**

MUSIC 714-715 Woodwind (Individual) **One credit hour**

MUSIC 716-717 Woodwind (Individual) **One credit hour**

- MUSIC 718-719 Woodwind (Individual)** **One credit hour**
A study of the technique and repertoire of the chosen instrument. One half-hour lesson per week.
- MUSIC 720-721 Woodwind (Individual)** **Two credit hours**
A study of the technique and repertoire of the chosen instrument. Two half-hour lessons per week.
- MUSIC 810-811 Brass and Percussion Class** **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions. Two class hours per week.
- MUSIC 812-813 Brass and Percussion (Individual)** **One credit hour**
- MUSIC 814-815 Brass and Percussion (Individual)** **One credit hour**
- MUSIC 816-817 Brass and Percussion (Individual)** **One credit hour**
- MUSIC 818-819 Brass and Percussion (Individual)** **One credit hour**
A study of the technique and repertoire of the chosen instrument. One half-hour lesson per week.
- MUSIC 820-821 Brass and Percussion (Individual)** **Two credit hours**
A study of the technique and repertoire of the chosen instrument. Two half-hour lessons per week.

MUSIC EDUCATION

- MUSIC 231 Music Appreciation for the Elementary
 School Teacher** **Three credit hours**
A course designed for the grade school teacher who is not a music specialist. Covers methods, materials, and activities in music appreciation.
- MUSIC 339 The Teaching of Music in the Elementary
 School** **Three credit hours**
Principles, objectives, materials, and procedures for meeting the needs of the music teacher in the elementary school.
- MUSIC 432 The Teaching of Music in the Secondary
 School** **Three credit hours**
Principles, objectives, materials, and procedures for meeting the needs of the music teacher in the secondary school.

MUSIC LITERATURE AND HISTORY

- MUSIC 131 Introduction to Music Literature** **Three credit hours**
An introduction to the history and literature of music. Designed as a cultural course for the nonmusic major.
- MUSIC 337-338 Music History and Literature** **Three credit hours**
A general survey of the development of music from primitive sources to the present day.
- MUSIC 429 Independent Study or Seminar** **Two credit hours**
Investigation of some aspect of music or music education. Prerequisite: permission of the department. (Refer to page 69 for details.)

ENSEMBLES

- MUSIC 1H1-1H2**

Vocal Ensemble (University Choir)

One credit hour
- A course that presents choral music of the best type in performances of the highest possible standard. Members chosen by examination. Appearances at various college and church functions throughout the year required of those taking the course. Five laboratory hours per week. (Credit for additional years of participation in the choir to be granted on the same basis.)
- MUSIC 1H3-1H4**

Instrumental Ensemble (University Band)

One credit hour
- A course that presents instrumental music of the best type in performance of the highest possible standard. (Credit for additional years of participation to be granted on the same basis.)

CURRICULUM FOR MUSIC EDUCATION MAJORS
(INSTRUMENTAL)

Freshman Year

Courses	Fall Semester	Spring Semester
English 190	3	3
Philosophy/Religion	3	3
Mathematics	3	3
French	3	3
Music 133-134 (Theory)*	3	3
Piano 113-114	1	1
Major Instrument	1	1
Physical Education	1	1
	<hr/>	<hr/>
	18	18

Sophomore Year

English 231-232	3	3
Speech/Drama/Art	3	..
Social Science	..	3
Music 233-234 (Theory)	3	3
Piano 213-214	1	1
Major Instrument	1	1
String Class	1	1
Voice Class	1	1
Electives (Music)	3	3
	<hr/>	<hr/>
	16	16

**Students who do not demonstrate competencies to pursue this course will be required to take Music 132, The Fundamentals of Music.*

Junior Year

Courses	Fall Semester	Spring Semester
Natural Science	3	..
Social Science	3	3
Social Science	..	3
Introduction to Music Literature 131	3	..
Major Instrument	1	1
Music History and Literature 337-338	3	3
Woodwind Class 710-711	1	1
Brass and Percussion Class 810-811	1	1
Education 221—The School as a Social and Educational Institution	2	..
Education 395—The Secondary School	..	3
Physical Education 226—Community Health	..	2
	<hr/>	<hr/>
	17	17

Senior Year

Major Instrument	1	1
Music 339—The Teaching of Music in the Elementary School	3	..
Music 432—The Teaching of Music in the Secondary School	3	..
Education 222—Measurement and Evaluation	2	..
Psychology 237—Psychology of Adolescence	3	..
Education 330—Philosophy of Education*	..	3
Psychology 239—Educational Psychology*	..	3
Conducting 322	2	..
Orchestration 323	2	..
Education 462—Student Teaching in the Secondary School	..	6
Elective	1	..
	<hr/>	<hr/>
	17	13

**These are accelerated courses. They will be offered every day for six weeks just before the student teachers go on the field.*

CURRICULUM FOR MUSIC EDUCATION MAJORS
(GENERAL)

Piano - Voice - Organ

Freshman Year

Courses	Fall Semester	Spring Semester
English 190	3	3
Philosophy/Religion	3	3
Mathematics	3	3
Music 133-134 (Theory)*	3	3
French	3	3
Piano 113-114		
OR		
Organ 117-118	1	1
Voice 115-116	1	1
Physical Education	1	1
	<hr/>	<hr/>
	18	18

Sophomore Year

English 231-232	3	3
Speech/Drama/Art	3	..
Social Science	3	3
Social Science	..	3
Music 233-234 (Theory)	3	3
Piano 213-214		
OR		
Organ 217-218	1	1
Voice 215-216	1	1
Electives (Music)	3	3
	<hr/>	<hr/>
	17	17

**Students who do not demonstrate competencies to pursue this course will be required to take Music 132, The Fundamentals of Music.*

Junior Year

Courses	Fall Semester	Spring Semester
Natural Science	3	..
Social Science	..	3
Introduction to Music Literature 131	3	..
Form and Analysis 427	2	..
Piano 313-314 OR Organ 317-318	1	1
Music History and Literature 337-338	3	3
Voice 315-316	1	1
Woodwind Class 710	1	..
Brass and Percussion Class 810	..	1
String Class 610	..	1
Conducting 322	..	2
Education 221—The School as a Social and Educational Institution	2	..
Education 395—The Secondary School	..	3
Physical Education 226—Community Health	..	2
	—	—
	16	17

Senior Year

Major Instrument	1	1
Music 339—The Teaching of Music in the Elementary School	3	..
Music 432—The Teaching of Music in the Secondary School	3	..
Education 222—Measurement and Evaluation	2	..
Psychology 237—Psychology of Adolescence	3	..
Education 330—Philosophy of Education*	..	3
Psychology 239—Educational Psychology*	..	3
Education 462—Student Teaching in the Secondary School	..	6
Electives (Music)	5	..
	—	—
	17	13

NOTE: FOREIGN LANGUAGE REQUIREMENT: See page 36.

The Music Education Programs at Johnson C. Smith University are planned, as far as possible, in accordance with the guidelines issued by the Division of Teacher Education, North Carolina Department of Public Instruction, Raleigh, North Carolina.

**These are accelerated courses. They will be offered every day for six weeks just before the student teachers go on the field.*

THE MUSIC-BUSINESS ADMINISTRATION MAJOR

The Bachelor of Arts degree with a major in music and a concentration in business administration is designed for students who wish to pursue a career in music and business, encompassing management, sales, and other business facets of music production. This course of study will present to the student the fundamentals of music theory and practice, applied music, and music history and literature. Applied music courses will stress technique, repertoire, and sources of materials of all instruments.

The program requires a minimum of seventy/seventy-one credit hours for graduation. A summary of the required areas is as follows: music, twenty-two/twenty-six credit hours; business, twenty-one credit hours; internship (Economics 461), six credit hours; electives (music-business), eighteen/twenty-one credit hours.

The most important aspect of the curriculum is that of the internship. Internships are based on the cooperative education principle—that of combining classroom learning with periodic intervals of planned and supervised practical experience away from the campus.

The management of artists is investigated, and the possibility of working with radio and television is explored. In short, this course of study attempts to give the student the fundamentals of music theory, history, and practice, as well as an understanding of the operation of the business system of the lucrative field of music.

MINIMUM REQUIREMENTS FOR THE A.B. DEGREE
(MAJOR IN MUSIC-BUSINESS ADMINISTRATION)

Major Instrument

	Basic Education* (Credit Hours) Internship (Economics 461)	Music** (Credit Hours) Electives (Music-Business)	Business (Credit Hours) Total
1. Piano	49	23	21
2. Voice	49	26	21
3. Woodwinds	49	26	21
4. Brass or Percussion	49	26	21
5. Strings	49	26	21
6. Organ	49	22	21
1. Piano	6	21	120
2. Voice	6	18	120
3. Woodwinds	6	18	120
4. Brass or Percussion	6	18	120
5. Strings	6	18	120
6. Organ	6	21	120

PIANO/ORGAN Freshman Year

Courses	Fall Semester	Spring Semester
English 190	3	3
Philosophy/Religion	3	3
Speech/Drama/Art	..	3
Mathematics	3	3
Introduction to Music Literature 131	3	..
Theory 133-134***	3	3
Piano 113-114 OR Organ 117-118	1	1
Physical Education	..	2
	—	—
	16	18

*Includes Music 131; foreign language not required.

**Includes applied, theory, independent study or seminar.

***Students who do not demonstrate competencies to pursue this course will be required to take Music 132, The Fundamentals of Music.

Sophomore Year

Courses	Fall Semester	Spring Semester
English 231-232	3	3
Social Science	3	3
Social Science	3	3
Piano 213-214 OR Organ 217-218	1	1
Strings 610	1	..
Voice 115	..	1
Theory 233-234	3	3
Economics 131-132	3	3
	—	—
	17	17

Junior Year

Principles of Accounting 235-236	3	3
Principles of Marketing 331	3	..
Marketing and Salesmanship 333	3	..
Marketing and Retailing 334	..	3
Natural Science	3	..
Piano 313-314 OR Organ 317-318	1	1
Woodwinds 710	1	..
Brass/Percussion 810	..	1
Electives	..	7-8†
Physical Education	2	..
	—	—
	16	15-16†

Senior Year

Music 429 (Independent Study or Seminar)	2	..
Organ 117‡	1	..
Economics 461 (Internship)	..	6
Electives	12-13	..
	—	—
	15-16	6

†For organ majors.

‡For piano majors.

VOICE/WOODWINDS/BRASS OR PERCUSSION/STRINGS

Freshman Year

Courses	Fall Semester	Spring Semester
English 190	3	3
Philosophy/Religion	3	3
Speech/Drama/Art	..	3
Mathematics	3	3
Introduction to Music Literature 131	3	..
Theory 133-134*	3	3
Piano 113-114	1	1
Voice 115-116 OR Woodwinds 712-713 OR Brass OR Percussion 812-813 OR Strings 612-613	1	1
	—	—
	17	17

Sophomore Year

English 231-232	3	3
Social Science	3	3
Social Science	3	3
Piano 213-214	1	1
Voice 215-216 OR Woodwinds 714-715 OR Brass OR Percussion 814-815 OR Strings 614-615	1	1
Theory 233-234	3	3
Economics 131-132	3	3
	—	—
	17	17

Junior Year

Principles of Accounting 235-236	3	3
Principles of Marketing 331	3	..
Marketing and Salesmanship 333	3	..
Marketing and Retailing 334	..	3
Natural Science	3	..
Applied Music**	3	2
Electives	..	8
Physical Education	2	2
	—	—
	17	18

*Students who do not demonstrate competencies to pursue this course will be required to take Music 132, The Fundamentals of Music.

**See listings on page 69.

Courses	Fall Semester	Spring Semester
Applied Music		
Voice 315-316	1	1
Woodwinds 710	..	1
Organ 117	1	..
Strings 610	1	..
OR		
Woodwinds 716-717	1	1
Voice 115	..	1
Organ 117	1	..
Strings 610	1	..
OR		
Brass or Percussion 816-817	1	1
Voice 115	..	1
Organ 117	1	..
Strings 610	1	..
OR		
Strings 616-617	1	1
Woodwinds 710	..	1
Organ 117	1	..
Voice 115	1	..
Senior Year		
Music 429	2	..
Economics 461	..	6
Brass/Percussion 810 OR Woodwinds 710	1	..
Electives	10	..
	<hr/>	<hr/>
	13	6

MUSIC 429 : Independent Study or Seminar

1. The student will present two in-depth research projects on the following subjects:
 - a. Music Merchandising
 - b. Music Publishing, Copyright and Distribution
2. The student will pass a written or an oral examination on these two projects.
3. These projects will be approved by the Music Department, Business Department, and representatives from music-business firms in the Charlotte area.
4. Additional study, which is entitled “The Influence of Music on Behavior,” may be presented for extra credit. This study will be approved by the Music and Psychology Departments.

APPLIED MUSIC

1. All students will complete six credit hours in a major instrument. The choice of the major instrument will determine the curriculum which the student will follow.
2. All students will be auditioned in their major instrument and will be given advice relative to their registration and choice of a program of study.

EDUCATIONAL CONSORTIUM

Courses which are recommended for the program and are not available at Johnson C. Smith University will be arranged with member schools of the Charlotte Area Educational Consortium.

ENSEMBLES

- 1. All students are expected to participate in ensembles for a minimum of two years.
- 2. Students may earn a maximum of four credit hours toward graduation, and they may elect ensembles each semester for no credit, depending upon their load.

ELECTIVES

All students will augment the basic program with courses elected from the given list.

Music

Ensembles—University Choir 1H1-1H2
University Band 1H3-1H4
(Maximum—four credit hours)

	Credit Hours
Conducting—Music 322	2
Orchestration—Music 325	2
Music Literature and History—Music 337-338	3 (each semester)
Form and Analysis—Music 427	2

NOTE: Theory—Music 233-234 is a prerequisite of the above music courses, with the exception of the ensemble courses.

Business	Credit Hours
Principles of Management—Business 333	3
Personnel Management—Business 334	3
Microeconomic Theory—Economics 335	3
Marketing Research—Marketing 431	3
Managerial Marketing—Marketing 432	3
Accounting—Intermediate 335-336	3 (each semester)
Marketing—Advertising 332	3

NOTE: These courses must be approved by the Business Administration Department.

DIVISION II: THE SOCIAL SCIENCES

The Division of the Social Sciences is composed of the following departments: Economics-Business Administration, History-Political Science, and Sociology-Social Work. The division offers majors in banking and finance, business administration, economics, history, political science, sociology, and social work. Students majoring in any of the above areas are required to complete at least one course in each of the three remaining major areas. A student may also complete work for a major in the social sciences as prescribed on succeeding pages.

THE SOCIAL SCIENCE MAJOR

The social science major, consisting of forty-two credit hours of course work, is designed basically to accommodate two categories of students: (1) those who are prospective social studies teachers and (2) those who are seeking a more general background in the social science area. Students electing a major in the social sciences are required to complete twenty-one credit hours of subject matter concentration and twenty-one credit hours of course work chosen from three or more of the other major areas in the social science division, including History 333.

SOCIAL SCIENCE

SOCIAL SCIENCE 490 Social Science Seminar Three credit hours

A course designed to help students to achieve a synthesis of social science knowledge. Conducted by selected members of the division faculty. Open to juniors and seniors; open to nonmajors by permission of the staff. Offered for credit in students' chosen areas of concentration. (Same as Sociology 490.)

CURRICULUM FOR SOCIAL SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Sociology 131	3	Foreign Language 132	3
Fine Arts (Music, Art, Drama, Speech)	3	Fine Arts (Music, Art, Drama, Speech)	3
Foreign Language 131	3	Math 136*	3
Math 131	3	Personal Hygiene	2
Physical Education (Swimming)	1	Psychology 131	3
	—		—
	16		17

Sophomore Year

Fall Semester		Spring Semester	
English 231	3	English 232	3
Humanities (Religion or Philosophy)	3	Humanities (Religion or Philosophy)	3
Biological Science	4	History 132	3
Physical Education Activity	1	Foreign Language 232	3
History 131	3	Physical Science	3- 4
Foreign Language 231	3		
	—		—
	17		15-16

Since social science courses will satisfy basic and major requirements, some of these hours can be included in the junior year.

**Effective for students entering 1977-1978.*

Junior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
History 135	3	History 136	3
Sociology 133	3	Geography 131	3
Geography 130	3	Political Science 131	3
Psychology 237	3	Education 326	2
Education 221	2	Psychology 239	3
Physical Education 226	2	Education 222	2
	—		—
	16		16

Senior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Education 395	3	Political Science	3
Education 330	3	History	3
Economics 131	3	Education 462	6
History Electives	6		—
	—		12
	15		

BANKING AND FINANCE
CURRICULUM FOR BANKING AND FINANCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
History 131	3	Political Science 131	3
(or Psychology 131)		Fine Arts-Speech 131	3
Physical Education 121	2	Religion 130 or 131	3
Philosophy 131	3		—
	—		15
	14-15		

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Economics I 131	3	Economics II 132	3
Accounting I 235	3	Accounting II 236	3
Fine Arts-Art 231,		Physical Education 110	1
Drama 232, or Music 131	3	Physical Science 141	4
Physical Education 114 or 114A	1	(Lab)	
Biology 140	4	World Literature-English 232	3
World Literature-English 231	3	Sociology 131	3
	—		—
	17		17

Junior Year

Fall Semester		Spring Semester	
Accounting 335	3	Accounting 336	3
Economics 133	3	Economics 134	3
Marketing 331	3	Business 333	3
Economics 331	3	Electives	6
Elective	3		—
	—		15
	15		

Senior Year

Fall Semester		Spring Semester	
Business 332	3	Business 431	3
Economics 335	3	Economics 336	3
Marketing 432	3	Electives	8
Electives*	6		—
	—		14
	15		

*Controlled by department adviser.

DEPARTMENT OF BUSINESS
ADMINISTRATION AND ECONOMICS

The Department of Business Administration and Economics has a fourfold purpose: first, to guide students in understanding the operation of business and economic systems and to stress the interrelation among the various social sciences; second, to prepare students for entry level jobs in profit and nonprofit-making organizations; third, to provide a broad background for majors who intend to pursue graduate studies in economics, business, and other related fields; fourth, to develop in students the leadership qualities that are necessary for making a constructive contribution to society through a chosen vocation.

BUSINESS ADMINISTRATION

The courses offered in the business administration curriculum provide specialized concentration in four areas: accounting, general business, marketing, and music-business administration (See Department of Music.) Each student is required to choose one area of concentration. The four fields have a number of basic courses in common and continue with those most suitable for the desired specialization.

ACCOUNTING

A major in business administration with a concentration in accounting requires completion of twenty-seven credit hours of accounting, Economics 131-132, and Mathematics 136.

ACCOUNTING 231 Techniques of Digital Computing 1 Three credit hours
(See Department of Mathematics.)

ACCOUNTING 235-236	Principles of Accounting	Three credit hours
A discussion of the fundamental elements of accounting. A prerequisite of all courses in accounting.		
ACCOUNTING 335-336	Intermediate Accounting	Three credit hours
A study of higher and more technical principles of accounting.		
ACCOUNTING 337-338	Cost Accounting	Three credit hours
The study of basic cost accounting principles, practices, and procedures. Special applications to job order costing, process cost accounting, managerial profit planning, and budgeting.		
ACCOUNTING 435-436	Advanced Accounting	Three credit hours
A laboratory course in the procedures of consolidating balance sheets and income statements. Accounting for mergers and conglomerates. A discussion of the impact of regulatory agency laws. Two-semester course.		
ACCOUNTING 437	Federal Income Taxes	Three credit hours
A course in the fundamentals of the federal income tax relating to individuals, partnerships, and corporations, including the effect of tax laws upon business decisions.		
ACCOUNTING 438	Auditing	Three credit hours
A study of the purposes and scope of audits and examinations, auditing standards, various types of audits and special investigations, and form and scope of report presentation. Theory and practice work: an integrated case study which involves the preparation of the working papers and the report for a complete audit to be finished during the semester.		

CURRICULUM FOR ACCOUNTING MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
History 131	3	Political Science 131	3
(or Psychology 131)		Fine Arts-Speech 131	3
Physical Education 121	2	Religion 130 or 131	3
Philosophy 131	3		—
	—		15
	14-15		

Sophomore Year

Fall Semester		Spring Semester	
Economics I 131	3	Economics II 132	3
Accounting I 235	3	Accounting II 236	3
Fine Arts-Art 231 or		Physical Education 110	1
Drama 232 or Music 131	3	Physical Science 141 (Lab)	4
Physical Education 114 or 114A	1	World Literature-English 232	3
Biology 140 (Lab)	4	Sociology 131	3
World Literature-English 231	3		—
	—		17
	17		

Junior Year

Fall Semester

Accounting 335	3
Economics 133	3
Accounting 337	3
Accounting 438	3
Elective	3
	—
	15

Spring Semester

Accounting 336	3
Economics 134	3
Accounting 338	3
Electives	6
	—
	15

Senior Year

Fall Semester

Accounting 435	3
Accounting 437	3
Electives*	9
	—
	15

Spring Semester

Accounting 436	3
Electives	11
	—
	14

*Controlled by department adviser.

GENERAL BUSINESS

A major in general business consists of thirty-six credit hours in business, including Business 332, Accounting 235-236, Marketing 331, Economics 131-132, and Mathematics 136.

BUSINESS 121 Personal and Family Finance **Two credit hours**

An analysis of financial decisions and judgments which the average family must make during a lifetime. (Same as Sociology 121.)

BUSINESS 331 Principles of Insurance **Three credit hours**

A study of the economic and social services, as well as the techniques and underlying principles of insurance.

BUSINESS 332 Business Law **Three credit hours**

A course in the elements of business law.

BUSINESS 333 Principles of Management **Three credit hours**

A study of the principles and techniques underlying the successful organization and management of business activities. Discussion of planning, staffing, directing, and controlling industrial enterprise.

BUSINESS 334 Personnel Management **Three credit hours**

A study of the basic principles of management: employment procedures, testing, training, remuneration plans, handling of grievances, promotion, and transfer of personnel records.

BUSINESS 431 Corporate Finance **Three credit hours**

A study of theories, procedures, institutions, instruments, problems, and policies that are involved in the acquisition and use of money by small and large business corporations.

BUSINESS 432 Production Control **Three credit hours**

Development of ability to analyze and to solve production problems and to formulate production policies. Introduction to quantitative techniques in production management.

BUSINESS 433

Fundamentals of Real Estate

Three credit hours

An analysis of the nature of transactions involved in the acquisition and use of real estate and in the nature of real estate markets. Deals with real estate problems from the standpoint of business administrators, brokers, and property owners.

CURRICULUM FOR GENERAL BUSINESS MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
History 131	3	Political Science 131	3
(or Psychology 131)		Fine Arts-Speech 131	3
Physical Education 121	2	Religion 130 or 131	3
Philosophy	3		—
	—		15
	14-15		

Sophomore Year

Fall Semester		Spring Semester	
Economics I 131	3	Economics II 132	3
Accounting I 235	3	Accounting II 236	3
Physical Education 114A or 114B	1	Physical Education 110	1
Biology 140 or 141	4	Physical Science 141 (Lab)	4
World Literature-English 231	3	World Literature-English 232	3
Elective	3	Sociology 131	3
	—		—
	17		17

Junior Year

Fall Semester		Spring Semester	
Fine Arts-Art 231,	3	Economics 134	3
Drama 232, or Music 131		Business 333	3
Business 331	3	Business 334	3
Marketing 331	3	Electives	6
Economics 133	3		—
Elective	3		15
	—		
	15		

Senior Year

Fall Semester		Spring Semester	
Business 432	3	Business 431	3
Business 332	3	Electives	11
Electives*	9		—
	—		14
	15		

**Controlled by department adviser.*

MARKETING

A major in business administration with a concentration in marketing consists of thirty credit hours in business, including Marketing 331, Economics 131-132, Accounting 235-236, and Mathematics 136.

MARKETING 331 Principles of Marketing Three credit hours

A course designed to show the characteristics, history, and functions relating to marketing and the principles involved in mass salesmanship. A requisite of all courses in marketing except 332, 333, 334.

MARKETING 332 Advertising Three credit hours

A course intended to provide an understanding of advertising: its functions in our way of life and its role in business.

MARKETING 333 Salesmanship and Sales Management Three credit hours

A study covering both the theoretical principles and practical application of modern selling. An analysis of the managerial functions.

MARKETING 334 Principles of Retailing Three credit hours

An introduction to the structure of retailing and problems associated with the management of retail stores of various types.

MARKETING 431 Marketing Research Three credit hours

The nature of marketing problems, problem definition, and formulation of hypotheses, theories of measurement, experimental design, and survey techniques applied to marketing problems.

MARKETING 432 Managerial Marketing Three credit hours

An analysis of the nature and work of the marketing manager, who organizes, directs, and controls the various functional specialties of marketing.

CURRICULUM FOR MARKETING MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
History 131	3	Political Science 131	3
(or Psychology 131)		Fine Arts-Speech 131	3
Physical Education 121	2	Religion 130 or 131	3
Philosophy 131	3		—
	—		15
	14-15		

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Economics I 131	3	Economics II 132	3
Marketing 331	3	Physical Education 110	1
Fine Arts-Art 231,		Physical Science 141 (Lab)	4
Drama 232, or Music 131	3	World Literature-English 232	3
Physical Education 114A or 114B	1	Sociology 131	3
Biology 140 (Lab)	4	Elective	3
World Literature-English 231	3		—
	—		17
	17		

Junior Year			
Fall Semester		Spring Semester	
Accounting I 235	3	Accounting II 236	3
Marketing 333	3	Marketing 332	3
Economics 133	3	Economics 134	3
Electives	6	Electives	6
<hr/>		<hr/>	
15		15	
Senior Year			
Fall Semester		Spring Semester	
Marketing 334	3	Marketing 432	3
Marketing 431	3	Electives*	11
Electives*	9		
<hr/>		<hr/>	
15		14	

**Controlled by department adviser.*

ECONOMICS

A major in economics consists of thirty credit hours in economics with grades of **C** or better. The thirty hours must include Economics 131-132, 133-134, 335, 336, 431, Mathematics 136, and Accounting 235.

ECONOMICS 131-132 Principles of Economics **Three credit hours**
An introductory course in principles and theories of economics. Prerequisite of all economics courses except 231 and 333.
Economics 131: requirement for nonmajors.

ECONOMICS 133-134 Mathematical Foundation of Business and Economics **Three credit hours**
A study of mathematical techniques applicable to economics and business. Required of all majors or minors in the Department of Business Administration and Economics.

ECONOMICS 231 Black Economic Problems **Three credit hours**
A discussion of the functioning of the American economy as viewed by black people.

ECONOMICS 331 Money and Banking **Three credit hours**
A study of instruments and problems of prices and institutional practices. Special emphasis on practical banking operations.

ECONOMICS 332 Urban and Regional Economics **Three credit hours**
An analysis of the various theories of regional and urban development.

ECONOMICS 333 Economic Development of the United States **Three credit hours**
A study of the history of the United States during the twentieth century.

ECONOMICS 334 International Economics and Social Problems **Three credit hours**
A comprehensive view of the international field of exchange, production, and distribution.

ECONOMICS 335	Microeconomic Theory	Three credit hours
Examination of the value and distribution theory, including the theory of consumer behavior and the theory of the firm.		
ECONOMICS 336	Macroeconomic Theory	Three credit hours
An analysis of national income level, employment, and price level.		
ECONOMICS 431	Industrial Organization and Regulation of Business	Three credit hours
A discussion of market structures and problems of public policy created by the attempt at their control and regulation.		
ECONOMICS 432	Introduction to Econometrics	Three credit hours
The application of statistics and mathematics to economic problems. The formulation of economic models, their measurement, and their verification.		
ECONOMICS 433	Economic Development	Three credit hours
A study of the economics of underdeveloped countries. Major concentration on African countries.		
ECONOMICS 434	Development of Economic Thought	Three credit hours
The development of economic doctrines from earliest thinkers to the present-day contributions to economic thought.		
ECONOMICS 461	Internship or Project	Six credit hours
Special inservice jobs or research.		

CURRICULUM FOR ECONOMICS MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Mathematics 131 or 141	3- 4	Mathematics 132	3
History 131	3	Political Science 131	3
Physical Education 121	2	Fine Arts-Speech 131	3
Philosophy 131	3	Religion 130 or 131	3
	—		—
	14-15		15

Sophomore Year

Fall Semester		Spring Semester	
Economics I 131	3	Economics II 132	3
Accounting I 235	3	Accounting II 236	3
Fine Arts-Art 231,		Physical Education 110	1
Drama 232, or Music 131	3	Physical Science 141 (Lab)	4
Physical Education 114A or 114B	1	World Literature-English 232	3
Biology 140	4	Sociology 131	3
World Literature-English 231	3		—
	—		17
	17		

Junior Year			
Fall Semester		Spring Semester	
Economics 335	3	Economics 336	3
Economics 431	3	Economics 134	3
Economics 133	3	Electives	9
Electives	6		—
	—		15
	15		
Senior Year			
Fall Semester		Spring Semester	
Economics 331	3	Economics 433	3
Electives*	12	Electives*	11
	—		—
	15		14

*Controlled by department adviser.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

HISTORY

For a major in history the student is required to complete thirty credit hours of course work. For a minor the student is required to complete eighteen credit hours of course work. History 131, 132, 135, and 136 are required of all majors and minors. History 333 is required of all majors and is recommended for minors. Introductory courses in economics, political science, and sociology must also be completed for the history major.

HISTORY 131† World Civilization I Three credit hours

A study of the world's major civilizations from the Stone Age to 1500, the strengths and weaknesses of those societies, parallel developments, and cultural interaction.

HISTORY 132† World Civilization II Three credit hours

Primarily a study of the development of western European civilization since 1500 and its impact on the rest of the world.

HISTORY 135† History of the United States to 1865 Three credit hours

A study of the United States from its European background to 1865.

HISTORY 136† History of the United States Since 1865 Three credit hours

A study of the United States from the conclusion of the Civil War to the present.

HISTORY 231 History of Africa to 1800 Three credit hours

The geographical, ethnological, and cultural background of African history; political development and legitimate commerce; the slave trade and the mingling of Europeans and Africans. Prerequisite: six hours of history or consent of instructor.

HISTORY 232 History of Africa Since 1800 Three credit hours

A study of the slave trade, the abolitions, the migrations, the conquests, the colonial period, the rise of African nationalism and after. Prerequisite: six hours of history or consent of instructor.

- HISTORY 233 Early Modern Europe: 1350-1789** **Three credit hours**
A study of radical social change in Europe from the late Middle Ages to the eve of the French Revolution. Renaissance and Reformation; political absolutism and the Enlightenment. Prerequisites: History 131 and 132. Offered in alternate years.
- HISTORY 234 Revolution and Romanticism: 1789-1914** **Three credit hours**
A study of Europe from the French Revolution to the outbreak of World War I. The rise of romantic nationalism, liberal democracy, industrialism, and imperialism. Prerequisites: History 131 and 132. Offered in alternate years.
- HISTORY 238 American Colonial Civilization** **Three credit hours**
The study of an "underdeveloped area" and the economic, political, and religious life of the different colonies; the contributions of the various immigrants. Prerequisites: History 135 and 136. Offered in alternate years.
- HISTORY 239 The American Revolution and the Federal Period: 1776-1820** **Three credit hours**
The United States during the formative years of the early republic from the War of Independence to the so-called "era of good feeling." Considerable attention devoted to the creative personalities of the period. Prerequisites: History 135 and 136. Offered in alternate years.
- HISTORY 331 Diplomatic History of the United States: 1776-1877** **Three credit hours**
A study of the foreign policy of the United States government. Emphasis upon wars, territorial expansion, and peculiarities of the American position in world politics. Prerequisite: History 135. Offered in alternate years. Recommended for political science majors and prelaw students.
- HISTORY 332 Diplomatic History of the United States: The Twentieth Century** **Three credit hours**
Emphasis on the most important crises and the formulation of the basic policy decisions from the Spanish-American War to the present. Prerequisite: History 136. Offered in alternate years. Recommended for political science majors and prelaw students.
- HISTORY 333 Historiography** **Three credit hours**
An introduction to the methods of historical research, the more prominent philosophies of history, and an investigation of the work of outstanding historians. Prerequisite: six hours of history. Required of all history and social science majors. Should be taken FALL SEMESTER of sophomore year.
- HISTORY 335 Sectionalism and Conflict: 1820-1865** **Three credit hours**
The American experience from the Missouri Compromise through the Civil War; Jacksonian democracy, territorial expansion, black slavery, and the rise of southern nationalism. Prerequisites: History 135 and 136. Offered in alternate years.
- HISTORY 336 Emergence of Modern America: 1865-1900** **Three credit hours**
A study of the revolutionary changes in American life from the end of the Civil War to the close of the nineteenth century, the failure of Reconstruction, the origins of racial segregation, America's emergence as an industrial giant. Prerequisites: History 135 and 136. Offered in alternate years.

- HISTORY 337**

History of Latin America

Three credit hours
- The growth of the Latin American republics from their colonial periods. A study of their relations with one another and with the outside world. Pre-requisite: six hours of history.
- HISTORY 338**

Black History in the United States

Three credit hours
- A study of the contributions of blacks to American history and civilization, their efforts at racial adjustment, and their struggle for social justice. Pre-requisites: History 135 and 136.
- HISTORY 431**

Twentieth Century Europe

Three credit hours
- Political, economic, social, and cultural change since 1914. Prerequisites: History 131 and 132. Offered in alternate years.
- HISTORY 433**

The Old South

Three credit hours
- Political, economic, social, and cultural forces in the evolution of the period 1820-1860. Prerequisite: History 135. Offered in alternate years.
- HISTORY 434**

The New South

Three credit hours
- Southern history from the end of Reconstruction to the present. A consideration of contemporary regional problems. A study of the South both in relationship and contrast to national development. Prerequisite: History 136. Offered in alternate years. Recommended for students concentrating in urban studies.
- HISTORY 436-437**

Topics in History

Three credit hours each
- Various special topics which permit advanced work in different fields of historical study.
- HISTORY 439**

Independent Study

Three credit hours
- A designed program of independent study and research for senior students with a 3.0 average or better in the history major. May be repeated one time for credit.
- HISTORY 490**

Social Science Seminar

Three credit hours
- (See Social Science 490: Social Science Seminar.)

CURRICULUM FOR HISTORY MAJORS

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Foreign Language	3	Foreign Language	3
Natural Science	3- 4	Natural Science	3- 4
Mathematics	3- 4	Humanities and Fine Arts*	3
History 131 or 135	3	History 132 or 136	3
Physical Education	1	Physical Education	1
<hr/>		<hr/>	
16-18		16-17	
Sophomore Year			
Fall Semester		Spring Semester	
English 231	3	English 232	3
Foreign Language	3	Foreign Language	3
Humanities and Fine Arts*	3	Mathematics	3- 4
Philosophy or Religion	3	History 132 or 136	3
Physical Education	1	History 333	3
History 131 or 135	3	<hr/>	
<hr/>		15-16	
16			

Junior Year

Fall Semester		Spring Semester	
Philosophy or Religion	3	History Elective	3
History Elective	3	History Elective	3
Political Science 131	3	Sociology 131 or 133	3
General Electives	6	General Electives	6
<hr/>		<hr/>	
15		15	

Senior Year

Fall Semester		Spring Semester	
History Elective	3	History 436**	3
Economics 131	3	General Electives	12
General Electives	9	<hr/>	
<hr/>		15	
15			

**At least one of the following is recommended but not required:
Speech 131, 132, and/or 330.*

***Recommended; may be taken in the junior or the senior year.*

POLITICAL SCIENCE

The curriculum in political science is designed to prepare students for civic participation, graduate or professional study, private or public employment, and teaching. For a major in political science, the student is required to complete thirty credit hours of course work. For a minor the student is required to complete eighteen credit hours of course work. Political Science 131 is required of all majors and minors and is prerequisite to electing other courses in the political science curriculum. Political Science 230, 337 or 338, and 431 are required of all majors and are recommended for minors. Introductory courses in economics, history, and sociology are also required for the major. Mathematics 136, though not required, is highly recommended for students planning to do graduate work in political science. Students may satisfy the language requirement by taking either French or Spanish.

- POL. SCI. 131† American Government**

Three credit hours

A study of the development, structure, and operation of the American political system.
- POL. SCI. 230 Introduction to Political Analysis**

Three credit hours

An introductory study and application of the concepts and methods necessary for an analysis of the political system. Open only to political science majors.
- POL. SCI. 234 Principles and Practices of Planning**

Three credit hours

An introductory course designed to give students a basic understanding of what the planning process is and how it fits into the various levels of government: national, state, and local. Prerequisite: Political Science 131.
- POL. SCI. 330 Public Administration**

Three credit hours

A study of the formulation of public policy, organization and management, and problems of personnel and finance. Offered in alternate years.

**POL. SCI. 332 Contemporary Governments and
Politics of Africa**

Three credit hours

A survey of the governments and politics of Africa south of the Sahara. Emphasis on the cultural, political, economic, and ideological development in selected countries and regions. Offered in alternate years. May be taken for credit in history.

POL. SCI. 333 Comparative Political Systems

Three credit hours

A comparative analysis of various political systems in the developed and developing countries. Emphasis on the parliamentary system (as modified) and the American Presidential system. Offered in alternate years.

POL. SCI. 334 International Relations

Three credit hours

An analysis of the international political system, including the distribution of power among states in the international system, the manner in which states try to increase their capabilities, and the various mechanisms for conflict adjustment.

POL. SCI. 335 Constitutional History of the United States

Three credit hours

The historical development of American constitutionalism from the Colonial Period. Emphasis on federal-state relations, governmental powers, and governmental impact in the economic sector. May be taken for credit in history.

POL. SCI. 336 Civil Rights and Liberties

Three credit hours

An analysis of United States Supreme Court cases pertaining to civil rights and liberties.

POL. SCI. 337 History of Political Theory

Three credit hours

A study of political thought from Greece to the seventeenth century, including basic writings from Plato to Hobbes.

POL. SCI. 338 History of Political Theory

Three credit hours

A study of political thought from the seventeenth century to the present, including writings from Locke to the Declaration of Human Rights proposed as the foundation of the United Nations.

**POL. SCI. 339 Afro-American Social and Political
Thought**

Three credit hours

An analysis of Afro-American social and political thought from 1850. Emphasis on the dialectic between the assimilationist and separatist movements of this period.

POL. SCI. 391 Land Use Planning

Three credit hours

A critical analysis of existing land use, trends, and projections of physical and economic growth, regional and municipal policies toward physical and economic development, and planners' conceptions of regional and urban goals. Prerequisites: Political Science 131 and 234.

POL. SCI. 392 Human Resources Planning

Three credit hours

An examination of programs designed to alleviate poverty in the United States. Emphasis on the maximization of these socio-economic and manpower resources for recipients. Prerequisites: Political Science 131 and 234.

POL. SCI. 431 Materials and Methods

Three credit hours

The study and application of basic research materials and methods in political science. Emphasis on formulation of the problem, research design, data collection, analysis, and interpretation of the data.

- POL. SCI. 432**

Regional and Urban Development

Three credit hours
- A study of urban and regional problems and a detailed analysis of the various approaches to the multijurisdictional metropolitan planning process. Prerequisites: Political Science 131 and 234.
- POL. SCI. 433**

International Organization and Law

Three credit hours
- A study of the nature and role of international law and the operations of the United Nations and various regional and functional organizations. Pre-requisite: Political Science 334.
- POL. SCI. 434**

Politics of Racial Minorities

Three credit hours
- A study of the major racial minorities in urban politics and their relationship to the dominant group. An examination of special problems of adjustment to the urban life of each group. Prerequisites: Political Science 131 and 234.
- POL. SCI. 437**

Politics of Urban Affairs

Three credit hours
- A study of contemporary institutions and political responses to urbanization in the United States, as well as to urban public policy designed to solve problems created by economic and social changes in metropolitan areas.
- POL. SCI. 438**

Political Science Seminar

Three credit hours
- Readings, papers, and discussions on selected topics in political science. Offered (on demand) to seniors majoring in political science. Prerequisite: permission of the instructor.
- POL. SCI. 460**

Urban Studies Internship

Six credit hours
- A course designed to assist students in acquiring first-hand knowledge of governmental agencies in the urban community. Prerequisites: Political Science 131, 234, 330, a declared concentration in urban studies, and departmental consent.
- POL. SCI. 490**

Senior Seminar

Three credit hours
- (See Social Science 490: Social Science Seminar.)

CURRICULUM FOR POLITICAL SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Foreign Language	3	Foreign Language	3
Natural Science	3- 4	Natural Science	3- 4
Mathematics*	3- 4	Humanities and Fine Arts**	3- 4
History 131 or 135	3	History 132 or 136	3
Physical Education	1	Physical Education	1
<hr/>		<hr/>	
16-18		16-18	

Sophomore Year

Fall Semester		Spring Semester	
English 231	3	English 232	3
Foreign Language	3	Foreign Language	3
Humanities and Fine Arts**	3	Mathematics*	3- 4
Philosophy or Religion	3	Philosophy or Religion	3
Pol. Sci. 131	3	Political Science 230	3
Physical Education	2	<hr/>	
<hr/>		15-16	

Junior Year

Fall Semester		Spring Semester	
Pol. Sci. 337		Pol. Sci. 338	
(or Pol. Sci. 338)	3	(or Pol. Sci. 337)	3
Pol. Sci. 334***	3	Pol. Sci. Elective	3
Economics 131	3	Sociology 131 or 133	3
General Electives	6	General Electives	6
<hr/>		<hr/>	
15		15	

Senior Year

Fall Semester		Spring Semester	
Pol. Sci. Elective	3	Pol. Sci. 431	3
Pol. Sci. Elective	3	Pol. Sci. Elective	3
General Electives	9	General Electives	9
<hr/>		<hr/>	
15		15	

*Statistics is highly recommended but not required.
**At least one of the following is recommended but not required:
Speech 131, 132, and/or 330.
***Recommended but not required.

CURRICULUM FOR POLITICAL SCIENCE MAJORS
(With a Concentration in Urban Studies)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Foreign Language	3	Foreign Language	3
Natural Science	3- 4	Natural Science	3- 4
Mathematics*	3- 4	Humanities and Fine Arts**	3
History 131 or 135	3	History 132 or 136	3
Physical Education	1	Physical Education	1
<hr/>		<hr/>	
16-18		16-17	

Sophomore Year

Fall Semester		Spring Semester	
English 231	3	English 232	3
Foreign Language	3	Foreign Language	3
Humanities and Fine Arts**	3	Mathematics*	3- 4
Philosophy or Religion	3	Philosophy or Religion	3
Pol. Sci. 131	3	Pol. Sci. 230	3
Physical Education	2	<hr/>	
<hr/>		15-16	
17			

Junior Year

Fall Semester		Spring Semester	
Pol. Sci. 234	3	Pol. Sci. 391	3
Pol. Sci. 337		Pol. Sci. 338	
(or Pol. Sci. 338)	3	(or Pol. Sci. 337)	3
Sociology 131	3	Economics 131	3
General Electives	6	Sociology 332	3
		General Elective	3
	<hr/>		<hr/>
	15		15

Senior Year

Fall Semester		Spring Semester	
Pol. Sci. 432	3	Pol. Sci. 431	3
Pol. Sci. 437	3	Pol. Sci. 460	6
Sociology 231	3	General Electives	6
General Electives	6		
	<hr/>		<hr/>
	15		15

**Statistics is recommended but not required.*
***At least one of the following is recommended but not required:*
Speech 131, 132, and/or 330.

DEPARTMENT OF SOCIOLOGY AND SOCIAL WORK

The program of instruction in the Department of Sociology and Social Work is designed to enrich the general “liberal” education of students and to provide preprofessional and pregraduate training for those students who wish to seek careers in social work professionally, to qualify for service-delivering positions requiring no graduate professional education, to enter related professional fields for which there is no required preprofessional sequence, and to enhance and to make more meaningful their participation as citizens.

A major in sociology consists of thirty credit hours of course work, including Sociology 438 and Sociology 439. The requirement is a minimum grade of **C** in each major course. A minor in sociology consists of eighteen credit hours of course work, including Sociology 131. Except by consent of the instructor, Sociology 131 is prerequisite to enrollment in other courses comprising the sociology curriculum.

SOCIOLOGY

- SOCIOLOGY 121

Personal and Family Finance

Two credit hours

An analysis of financial decisions and judgments which the average family must make during a lifetime. (Same as Business 121.)
- SOCIOLOGY 131

Principles of Sociology

Three credit hours

An introduction to the viewpoints, basic concepts, and methods of sociology.
- SOCIOLOGY 133

Introduction to Cultural Anthropology

Three credit hours

A survey of the various processes and conditions involved in cultural growth and change.

- SOCIOLOGY 230 Intergroup Relations** **Three credit hours**
An analysis of viewpoints, processes, and basic factors underlying problems of adjustment between divergent racial or cultural groups.
- SOCIOLOGY 231 Social Disorganization** **Three credit hours**
An analysis of social change in the various aspects of society in their relationship to each other and to the society. Offered alternate years. FALL SEMESTER.
- SOCIOLOGY 233 Sociological Statistics** **Three credit hours**
The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t, and F distributions, regression, and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. (Same as Psychology 233.) FALL SEMESTER.
- SOCIOLOGY 237 Juvenile Delinquency** **Three credit hours**
An analysis of the antisocial behavior of youth. Emphasis on causes, consequences, and efforts at prevention.
- SOCIOLOGY 238 Social Problems** **Three credit hours**
A sociological treatment of contemporary social problems. Offered alternate years. FALL SEMESTER.
- SOCIOLOGY 331 The Family** **Three credit hours**
An examination of the structures and functioning of the family as a social institution.
- SOCIOLOGY 332 Urban Sociology** **Three credit hours**
A study of the growth, the ecology, the social processes, the organization, and the problems of the urban community.
- SOCIOLOGY 333 Social Stratification** **Three credit hours**
An examination of the ways in which societies differ in terms of their systems of internal differentiation.
- SOCIOLOGY 335 Collective Behavior** **Three credit hours**
An examination of the factors and processes leading to noninstitutionalized group patterns of action. Offered in alternate years. SPRING SEMESTER.
- SOCIOLOGY 336 Population** **Three credit hours**
A critical analysis of population characteristics in their implications for the structure and the functioning of society. Offered in alternate years. SPRING SEMESTER.
- SOCIOLOGY 337 Sociology of the Black Community** **Three credit hours**
An analysis of the structure and the functioning of the black community as a social system. Offered in alternate years. SPRING SEMESTER.
- SOCIOLOGY 338 Deviant Behavior** **Three credit hours**
Emphasis on individual behavior patterns in society. Examination of the social and psychological principles underlying sociopathic behavior.
- SOCIOLOGY 339 Criminology** **Three credit hours**
An examination of crime as a social phenomenon and the methods of prevention and control. Offered in alternate years.
- SOCIOLOGY 431 Social Psychology** **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Psychology 431.)

- SOCIOLOGY 436**

Independent Study

Three credit hours
- An arranged program of independent study and research.
- SOCIOLOGY 438**

Social Research

Three credit hours
- An introduction to the techniques and methods of scientific inquiry. Pre-requisite: nine credit hours of sociology or consent of instructor.
- SOCIOLOGY 439**

The Development of Social Theory

Three credit hours
- An analysis of the emergence and development of sociological theory. Prerequisite: nine credit hours of sociology or consent of instructor.
- SOCIOLOGY 490**

Social Science Seminar

Three credit hours
- A course conducted by selected members of the division faculty. Designed to help the student to achieve a synthesis of social science knowledge. Open to juniors and seniors. Nonmajors: by permission of instructional staff. Permits major students to receive credit in their area of concentration. (See Social Science 490.)

CURRICULUM FOR SOCIOLOGY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Sociology 131	3	Foreign Language 132	3
Fine Arts (Music, Art, Drama, Speech)	3	Fine Arts (Music, Art, Drama, Speech)	3
Foreign Language 131	3	Math 136*	3
Math 131	3	Personal Hygiene	2
Physical Education (Swimming)	1	Social Science	3
	—		—
	16		17

Sophomore Year

Fall Semester		Spring Semester	
English 231	3	English 232	3
Humanities (Religion or Philosophy)	3	Humanities (Religion or Philosophy)	3
Biological Science	4	Social Science (or elective in major)	3
Physical Education Activity	1	Foreign Language 232	3
Social Science (or elective in major)	3	Physical Science	3- 4
Foreign Language 231	3		—
	—		15-16
	17		

Since social science courses will satisfy basic and major requirements, some of these hours can be included in the junior year.

*Effective for students entering 1977-1978.

Junior Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
Soc. 439 Social Theory	3	Soc. 438 Social Research	3
Social Science (or elective in major)	3	Social Science (or elective in major)	3
Soc. Elective	3	Electives	9
Electives	6		—
	—		15
	15		

Senior Year			
Fall Semester		Spring Semester	
Soc. Elective	3	Soc. Elective	3
Soc. Elective	3	Soc. Elective	3
Electives	9	Electives	9
	—		—
	15		15

SOCIAL WORK

A major in social work consists of thirty credit hours of course work, including Social Work 239, 334A, 432, 434A, 434B, and 460. A minor in social work consists of eighteen credit hours of course work, including Social Work 239, 334A, 334B, and 460. All students electing to major or to minor in social work will be advised to take Sociology 131.

SOCIAL WORK 234 Social Rehabilitative Services Three credit hours
A comprehensive study of selected social services programs on the local, state, and national levels. Attention to both public and private agencies. A discussion of the Social Security Act and the Economic Opportunity Act, the major pieces of legislation to be studied. Offered alternate years. SPRING SEMESTER.

SOCIAL WORK 239 Introduction to the Field of Social Work Three credit hours
A survey course which includes a history of social welfare and a comparison of the methods of casework, group work, and community organization.

SOCIAL WORK 330 Social Policy Three credit hours
A study of the history, politics, sociology, and economics of the social services. Includes issues of choice and change.

SOCIAL WORK 334A Human Growth and Development in the Social Environment Three credit hours
A required course for students in the social work sequence. Designed to examine human behavior and the social environment from a normal developmental perspective. Special emphasis on man's bio-psycho-social needs and the behavioral consequences when these needs are not met. (Formerly Community Organization.)

SOCIAL WORK 334B Human Growth and Development in the Social Environment Three credit hours
A course designed to provide the student with a substantive knowledge base related to the aging process in Western society.

- SOCIAL WORK 432**

Social Welfare as a Social Institution

Three credit hours

An assessment of the philosophy, development, behavior, current trends, and dynamics of social welfare as a cognate institution in the social system.
- SOCIAL WORK 433**

Seminar in Social Welfare

Three credit hours

A course requiring students to interpret data from field experience in light of previously established concepts of social welfare methods of social work practice. Weekly seminar.
- SOCIAL WORK 434A**

Social Work Methodologies

Three credit hours

Examination of the process in social work practice with individuals, families, and groups. (Formerly Introduction to Casework.)
- SOCIAL WORK 434B**

Social Work Methodologies

Three credit hours

An in-depth study of the process involved in the interventive methods. Consideration given to the individual, the group, and the community. Prerequisite: Sociology 434A.
- SOCIAL WORK 460**

Field Experience

Six credit hours

A course designed to assist students in acquiring first-hand knowledge of community agencies through active work experiences in preselected agency settings. SPRING SEMESTER.

CURRICULUM FOR SOCIAL WORK MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190	3	English 190	3
Sociology 131	3	Foreign Language 132	3
Fine Arts (Music, Art, Drama, Speech)	3	Fine Arts (Music, Art, Drama, Speech)	3
Foreign Language 131	3	Math 136*	3
Math 131	3	Personal Hygiene	2
Physical Education (Swimming)	1	Social Science	3
	—		—
	16		17

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 231	3	English 232	3
Humanities (Religion or Philosophy)	3	Humanities (Religion or Philosophy)	3
Biological Science	4	Social Science (or elective in major)	3
Physical Education Activity	1	Foreign Language 232	3
Social Science (or elective in major)	3	Physical Science	4
Foreign Language 231	3		—
	—		16
	17		

Since social science courses will satisfy basic and major requirements, some of these hours can be included in the junior year.
*Effective for students entering 1977-1978.

Junior Year

Fall Semester*	Credit Hours	Spring Semester	Credit Hours
Soc. 237—Juvenile Delinquency	3	Soc. 331—The Family	3
S.W. 239—Introduction to Social Work	3	Soc. 332—Urban Sociology	3
S.W. 334A—Human Growth and Development	3	Soc. 439—Social Research	3
S.W. 432—Social Welfare as an Institution	3	S.W. 334B—Human Growth and Development	3
Soc. 438—Social Theory	3	Electives	6
Elective	3		—
	—		18
	18		

Senior Year

Fall Semester		Spring Semester	
S.W. 434A—Social Work Methodologies	3	S.W. 434B—Social Work Methodologies	3
Electives	15	S.W. 330—Social Policy**	3
	—	S.W. 433—Social Welfare Seminar	3
	18	S.W. 460—Field Experience	6
			—
			15

*Any of the courses suggested for the FALL SEMESTER of the junior year may be postponed to the FALL SEMESTER of the senior year of study except Sociology 239, which may be taken as early as the FALL SEMESTER of the freshman year.

**Also note that Social Policy (Soc. 330) may be taken the SPRING SEMESTER of the junior year instead of the senior year.

DIVISION III: EDUCATION AND PSYCHOLOGY

The Division of Education and Psychology includes the following departments: Education, Physical Education and Health, and Psychology.

DEPARTMENT OF EDUCATION

The Department of Education offers majors in early childhood and intermediate education leading to the Bachelor of Arts degree and teacher certification. The Bachelor of Arts degree with teacher certification at the secondary level may be earned in English, mathematics, music, physical education, science (biology, chemistry, physics), and social studies. The department also provides courses in art, geography, and special education.

The Department of Education adheres closely to the standards and guidelines set forth by the North Carolina Department of

Public Instruction and the Southern Association of Colleges and Schools in selecting and structuring course offerings and requirements. The Teacher Education Committee, comprised of representatives from the various academic disciplines and the vice-president for academic affairs, assists in formulating policies and guidelines and in monitoring the programs of the Education Department.

REQUIREMENTS FOR ADMISSION TO THE PROGRAM OF TEACHER EDUCATION

A formal application to enter the program of teacher education must be filed with the head of the Department of Education at the beginning of the second semester of the sophomore year. Transfer students entering the University with junior classification must make application during the first semester in residence. Application forms may be secured from the Education Office.

To be admitted to teacher education, the student must meet the following requirements:

1. Completion of at least sixty credit hours with a cumulative grade point average of at least 2.2
2. Demonstration of proficiency in oral and written communication
3. Recommendation of two former professors, one of whom must be in the department of the applicant's major field
4. Possession of a health certificate indicating good mental and physical health
5. Declaration of a major and acceptance in the department of the major
6. Completion of interview by the Teacher Education Screening Committee
7. Endorsement of the Teacher Education Committee

Students who plan to teach in the elementary school, grades K-3 or 4-9, should major either in early childhood or in intermediate education. Teacher certification at the secondary school level is available in the following subject areas: English, mathematics, music, physical education, science (biology, chemistry, physics), and social studies. Students who plan to teach in the secondary school should select majors and minors in these areas. It is highly recommended that students prepare to teach two subjects.

PROFESSIONAL REQUIREMENTS

Early childhood and intermediate majors are required to take Psychology 235 and 239. Students seeking secondary certification must take Psychology 237 and 239. **For certification purposes, all teacher education students must earn a minimum grade of C in required courses in education and psychology, as well as in those courses offered in fulfillment of the student's major subject.** Teacher certification at all levels requires the following education courses:

REQUIRED COURSES IN EDUCATION

EDUCATION 221 The School as an Educational and Social Institution

Two credit hours

An introductory course in education. A comprehensive study of the school in our contemporary social milieu. (Public and private school organization, staffing, clientele, facilities, policy, financing, and philosophical, historical, sociological, and psychological foundations of education are synthesized into an eclectic overview of the educational scene. While the course is not limited to those who plan to teach, it is required of all prospective teachers and is prerequisite to other offerings in education.)

EDUCATION 222 Measurement and Evaluation

Two credit hours

The construction, selection, and use of educational tests of the achievement type, including diagnostic and survey instruments. Required of all candidates for a teacher's certificate. Prerequisites: Education 221 and Psychology 131.

EDUCATION 330 Philosophy of Education

Three credit hours

A study of the underlying principles of educational theories, aims, and values. Designed to assist students in developing and clarifying their philosophy of education. Prerequisite: Education 221.

Early Childhood Education: For Nursery School Teachers and Grades K-3

EDUCATION 130 Learning and Development of the Young Child

Three credit hours

Study of varied theories of learning and development with direct implications for understanding the nature of the child, birth through eight years of life, in addition to implications for interpreting current research related to sex differences. Analyzes techniques for observing the behavior of young children, as well as guidance techniques. Requirement: field experiences involving observation of a specific child over a period of twelve weeks.

EDUCATION 131 The Guidance Role of the Teacher of the Young Child

Three credit hours

The development in early childhood programs of appropriate techniques for guiding children's learning and communicating with their parents. (Observation-participation experiences with children on campus and in the community are required for these courses. Students must plan a three-hour free period during one morning or one afternoon per week.)

EDUCATION 224 Educating the Young Disadvantaged Child Two credit hours

A study of current approaches to early education programs for children from disadvantaged families, as well as a study of available research, including Head Start, Title I, Follow Through, Federal Interagency Day Care Projects, etc.

EDUCATION 225 Family, School, and Community

Two credit hours

An examination of the relationship between family living and participation in the education of the young child in today's communities. Requires student to select and to work with the family of a young child in the Charlotte community, to volunteer to work in family service agencies (hospitals, homes for the aging, public health and social services, day care, etc.), and to design programs for parents' involvement in the education of their children.

EDUCATION 235 Educational Communications Technology Three credit hours

A study of the utilization of educational technology and media in the classroom and in industry. Special emphasis on the actual operation of the 8mm and 16mm motion picture projectors, slide projectors, opaque projectors, still and motion picture cameras, etc. Instruction relative to the construction of teaching aids such as transparencies, laminations, photocopies, mimeograph and spirit duplicator stencils, graphic materials, etc. Systems approach used and illustrated as teaching methodology. Opportunity for students to work in clusters or groups, to produce scripts for television, and to present minilesson demonstrations or modules. Strongly recommended for all students who are enrolled in teacher education or who expect to enter industry. (Formerly Audio-visual Materials and Methods.)

EDUCATION 321 The Elementary School Two credit hours

(See description under Intermediate Education.)

EDUCATION 334 Communication Skills and the Young Child Three credit hours

A study of ways in which the young child organizes and communicates his ideas and feelings through designed play experiences. Observations of participation with children from infancy through age eight to provide the laboratory experiences accompanying this course. (May be taken simultaneously with Education 337, Reading and the Young Child.)

EDUCATION 335 Reading in the Elementary School Three credit hours

(See description under Intermediate Education.)

EDUCATION 336 Science and the Young Child Three credit hours

An examination of beginning concepts among scientific phenomena in ways which are consistent with the young child's way of seeing, inquiring, and experimenting with the natural environment. Emphasis on problem solving approaches to discovery.

EDUCATION 337 Reading and the Young Child Three credit hours

Emphasis on selected reading experiences which lead ultimately to reading. Attention to prereading experiences involving the use of the senses to examine many concrete objects and the development of children's own ideas into spoken and written forms.

EDUCATION 338 Creative Arts, Music, Rhythms, Drama, and Dance Three credit hours

The integration of the creative and dramatic art forms through experiences in which both college students and children can engage.

EDUCATION 398 Literature for the Young Child Three credit hours

Wide exploration and study of picture-story books, including Caldecott and Newberry awards, storytelling as an art, puppets for expression, use of films, filmstrips, and other media with a primary focus on uses within early education programs.

EDUCATION 431 Interdisciplinary Senior Seminar for Early Childhood and Intermediate Education Three credit hours

Discussions and research on the various disciplines in the early childhood and intermediate curricula. Provides opportunity for creative expression as students make teaching aids and devices to be used for strengthening certain skills. Problem-solving approach utilized as students discuss current issues of concern to future teachers.

EDUCATION 460 Early Childhood Curriculum and
Directed Teaching

Six credit hours

Curriculum design centered around essential life concepts, the foundations for which are carefully laid in the early years. (Students will spend time in children's centers on and off campus. Discussion seminars will be held in effective demonstration of theory and practice in early childhood centers. Cooperating agency personnel and University faculty will be in direct relationship with students.)

CURRICULUM FOR EARLY CHILDHOOD EDUCATION MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 190—Doorways to Comp. Skills	3	English 190—Doorways to Comp. Skills	3
Education 130—Learning & Development of the Young Child	3	History 135 or 136—U.S. History	3
Physical Education 110—Swimming	1	Math 132—Basic Math II	3
Art 131—Basic Design		Physical Education 115—Rhythm and Dance	1
OR		Speech 131—Fundamentals of Speech	3
Art 230—Art for the Elem. School		Philosophy 130—Introduction to Philosophy	
OR		OR	
Art 231—Art Appreciation	3	Religious Education 130	3
History 131—World Civilization	3		—
Math 131—Basic Math I	3		16
	—		
	16		

Sophomore Year

Fall Semester		Spring Semester	
English 231—World Literature	3	English 232—World Literature	3
Music 231—Music Appreciation for the Elem. School Teacher	3	Physical Education 121—Personal Hygiene	2
Education 225—Family, School, Community	2	Education 131—Guidance Role of the Teacher of the Young Child	3
Biology 140—Introduction	4	Education 337—Reading and the Young Child	3
Psychology 131—General Psychology	3	Education 221—The School as a Social & Ed. Institution	2
	—	Physical Science 141	4
	15		—
			17

Junior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Mathematics 337—Math for Early Childhood Education	3	Physical Education 334—Health Ed. for the Elem. School	3
Education 336—Science and the Young Child	3	Education 334—Communication Skills and the Young Child	3
Education 398—Literature for the Young Child	3	Religious Education 131	
Education 337—Reading and the Young Child	3	OR	
Art 131—Basic Design		Philosophy 231	3
OR		Education 321—The Elementary School	2
Art 230—Art for the Elem. School		Education 235—Educational Communications Tech.	3
OR		Music 339—Teaching Music in Elem. School	3
Art 231—Art Appreciation	3		
Elective in Education	3		
	—		—
	18		17

Senior Year

Fall Semester		Spring Semester	
Sociology 133—Cultural Anthropology	3	Education 460—Early Childhood Curriculum & Directed Teaching	6
Psychology 235—Child Psych.	3	Education 430-440-450-463 Independent Study	3- 6
Education 222—Measurement and Evaluation	2	Education 431--Interdisciplinary Senior Seminar for Early Childhood	3
Education 224—Educating the Young Disadvantaged Child	2		—
Psychology 239—Ed. Psych.	3		12-15
Education 330—Phil. of Ed.	3		
	—		
	16		

Intermediate Education: For Teachers of Grades 4-9

- EDUCATION 321

The Elementary School

Two credit hours
- Special attention to the philosophy, aims, principles, and practices of education as they relate to the elementary school. Required of all candidates for either the early childhood or the intermediate education teacher's certificate. Prerequisite: Education 221.
- EDUCATION 332

Children's Literature

Three credit hours
- Study of the types of literature available and suitable for primary and intermediate grades. Required only of elementary education majors.
- EDUCATION 333

Teaching Science in the Elementary School

Three credit hours
- Emphasis on the principles, practices, and procedures of the teaching of science in the elementary school.

EDUCATION 335 Reading in the Elementary School **Three credit hours**
 Methods of analysis and correction of difficulties in reading at the elementary school level.

EDUCATION 337 Reading and the Young Child **Three credit hours**
 (See description under Early Childhood Education.)

EDUCATION 390 Language Materials and Methods **Three credit hours**
 Guidance of learning activities in the development of language. An analysis of ways of helping children to grow in reading, writing, speaking, and listening efficiency.

EDUCATION 391 Teaching the Social Studies in the Elementary School **Three credit hours**
 A course designed to help elementary teachers to develop a social studies program. Includes methods, materials, and techniques which seem to be most effective in all of the elementary school grades.

EDUCATION 392 Materials and Methods of Elementary School Teaching **Three credit hours**
 Investigation and evaluation of materials and methods used in elementary school teaching. Requires supervised observation of teaching activities at the elementary school level. Prerequisite to Education 461.

EDUCATION 461 Student Teaching in the Elementary School **Six credit hours**
 A course requiring students to be placed in cooperating public elementary schools for the practical study of teachers' problems in a laboratory setting. Includes directed observation, guided participation, and full-time classroom teaching. Open only to seniors who are regularly enrolled in the University and who have completed courses designated in the catalog as prerequisites of student teaching.

Students preparing to teach in the intermediate grades are required to choose at least one area of concentration; however, two areas of concentration are preferred. The accepted areas of concentration are as follows:

Areas of Study	Credit Hours Required
English	24
Social Studies	24
Science	18
Mathematics	18
Music	18
Physical Education and Health	18

General education courses may be used, in some instances, as a part of the required courses in the related concentration area. The student must consult his adviser before choosing an area of concentration.

CURRICULUM FOR THE INTERMEDIATE CERTIFICATE

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Art 231—Art Appreciation	3	Art 230—Art for the Elem. School	3
Biology 140—Introductory Bio.	4	Physical Science 141	4
English 190—New Doorways to Composition Skills	3	English 190—New Doorways to Composition Skills	3
Mathematics 131—Fundamental Algebra	3	Mathematics 132—Principles of Mathematics	3
Physical Education 121—Personal Hygiene	2	Music 231—Music Appreciation for the Elem. School Teacher (Grades K-3 & 4-9)	3
Physical Education 110—Elem. Swimming	1	Physical Education 222—Physical Ed. in the Elem. School	2
	—		—
	16		18

Sophomore Year

Fall Semester		Spring Semester	
English 231—World Literature	3	English 232—World Literature	3
History 135—History of the U.S. to 1865	3	History 136—History of the U.S. Since 1865	3
Speech 131—Fundamentals of Speech	3	Choose one of the following:	
Physical Education 114—Practice		Philos. 131—Intro. to Philos.	
OR		Philos. 233—Practical Logic	
Physical Education 115—Practice	1	OR 239—Intro. to Formal Logic	
Choose one of the following:		Philos. 234—Ethics	
Philos. 131—Intro. to Philos.		Rel. 130—The Judeo-Christian Heritage	
Philos. 233—Practical Logic		Rel. 131—Survey of the Great Living Religions	3
OR 239—Intro. to Formal Logic		Psychol. 131—General Psychology	3
Rel. 130—The Judeo-Christian Heritage		Education 391—Teaching Soc. Studies in Elem. School	3
Rel. 131—Survey of the Great Living Religions	3		—
Pol. Science 131—American Government	3		15
	—		
	16		

Junior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Education 221—The School as a Social & Ed. Institution	2	Education 321—The Elementary School	2
Education 333—Teaching Science in Elem. School	3	Education 390—Language Materials and Methods	3
Music 339—Teaching of Music in Elem. School (K-3 and 4-9)	3	Education 335—Reading in Elem. School (K-3 & 4-9)	3
Geography 130—Intro. to Geography	3	Geography 131—World Regional Geography	3
Mathematics 337—Math for Intermed. School Teachers I	3	Concentration	3
Education 337—Reading and the Young Child	3	Mathematics 338—Math for Intermed. School Teachers II	3
	—		17
	17		

Senior Year

Fall Semester		Spring Semester	
Education 222—Measurement and Evaluation	2	Education 330—Philosophy of Education	3
Physical Ed. 334—Principles, Practices, and Procedures in Health Ed. for Elem. School	3	Education 461—Student Teaching in Elem. School (K-3 and 4-9)	6
English 493—Modern English Grammar	3	Education 392—Materials and Methods of Elem. School (K-3 and 4-9)	3
Education 332—Children's Literature	3	Psychology 239—Educational Psychology	3
Psychology 235—Psychology of Childhood	3		—
Concentration	3		15
	—		
	17		

Secondary Education: For Teachers of Grades 7-12**EDUCATION 233 Reading in the Secondary School Three credit hours**

A course designed to help students who are pursuing teaching careers to recognize and to deal with various reading problems encountered in the secondary school. Emphasis on reading skills that secondary pupils must master and the teaching techniques that the instructor may utilize to develop these skills.

EDUCATION 395 The Secondary School Three credit hours

A survey course concerned with the purposes, clientele, organization, administration, teaching methodology, and viable problems of the contemporary American secondary schools. Offers prestudent teaching observation experiences in a public school setting. Public school pupil register clinic: ancillary component of the course. Required of all secondary education majors.

**EDUCATION 462 Student Teaching in the
Secondary School**

Six credit hours

A course requiring students to be placed in cooperating public secondary schools for the study of teachers' problems in a laboratory setting. Includes directed observation, guided participation, and full-time classroom teaching. Open only to seniors who are regularly enrolled in the University and who have completed all other education course requirements. (The appropriate course in Materials and Methods in the major subject: Education 326—Social Studies, Education 327—Science, Mathematics 420, Music 432, English 429, and Physical Education 422, 434, and 226.)

ELECTIVE COURSES IN EDUCATION

EDUCATION 227—Principles and Practices of Guidance Two credit hours

First course in guidance in which an attempt is made to help the student to understand and to utilize the philosophies and processes of guidance on both the elementary and secondary school levels. Prerequisite: Education 221.

EDUCATION 234 Corrective Reading Clinic Three credit hours

A course designed to meet the needs of teachers in both the elementary and secondary fields. Presents the incidence of reading disability and its causes and remedial measures as related to individuals, groups, and subject matter areas. Requires each student to work with one child or several children needing remedial instruction. Offered only in the SUMMER SESSION.

**EDUCATION 235 Educational Communications
Technology**

Three credit hours

(See description under Early Childhood Education.)

EDUCATION 236 Developmental Reading Three credit hours

A course which involves comprehension techniques and mechanics of reading, word attack, study skills, and independent reading.

EDUCATION 237 Reading Workshop (Elementary Level) Three credit hours

A course which affords workshop participants an opportunity to teach reading to children and to observe children being taught. Designed for both inservice and preservice teachers. Preservice teachers permitted to substitute workshop credit for Education 335.

EDUCATION 238 History of Education Three credit hours

The historical development of the principles and practices of education from the earliest times to the present. Prerequisite: Education 221.

EDUCATION 339 Curriculum Construction Three credit hours

A study of principles, practices, and techniques appropriate for overall curriculum planning and development. Attention given to the selection and placement of content materials on both the elementary and secondary school levels. Prerequisite: Education 221.

EDUCATION 410, 420, or 430 Independent Study One to three credit hours

A planned and structured research project jointly defined by student and faculty. Number of credit hours contingent upon scope of work to be completed. May be taken for credit in early childhood, intermediate, or secondary education. Required of early childhood education majors.

CURRICULUM FOR SECONDARY EDUCATION MAJORS
(Sequence of Professional Education Courses)

Sophomore Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
General Education and Electives	14	General Education and Electives	12
Physical Education 226—Community Health*	2	Psychology 237—Psychology of Adolescence	3
	—	Education 221—The School as a Social and Educational Institution	2
	16		—
			17

Junior Year

Fall Semester		Spring Semester	
Major and Electives	10	Major and Electives	12
Psychology 239—Educational Psychology	3	Education 222—Measurement and Evaluation	2
Education 395—The Secondary School	3	Education 233—Reading in the Secondary School	3
	—		—
	16		17

Senior Year

Fall Semester		Spring Semester	
Major and Electives	12	Education 462—Student Teaching in the Secondary School and	6
Special Methods	2	Student Teaching Core	6
Education 330—Philosophy of Education	3		—
	—		12
	17		

**Not a professional education course but a University requirement for all students preparing to teach in the secondary school.*

STUDENT TEACHING

The student teaching semester occurs in the senior year and is devoted entirely to study in professional education and to student teaching. No student accepted for enrollment in student teaching is permitted to register for any courses other than those specified as professional education courses.

Students who wish to do student teaching during the senior year must file an application for student teaching with the Education Department at the beginning of the semester prior to the one in which student teaching is to begin. Application must be filed by March 15 for the FALL SEMESTER and by October 15 for the SPRING SEMESTER.

PREREQUISITES: STUDENT TEACHING

The following requirements must be met prior to student teaching:

1. A cumulative grade point average of 2.2 or better
2. A grade of **C** or better in required courses in education, psychology, and those courses offered in fulfillment of the student's major subject
3. Completion of general education requirements
4. Demonstrated proficiency in oral and written communication
5. Completion of all required education courses (except those taught concurrently with student teaching)
6. Approval of the Teacher Education Committee and the department of the student's major

Students will be notified by mail of the action taken on their application and of the semester in which they will do student teaching. It is expected that students will devote full time to student teaching.

SPECIAL EDUCATION

Special education refers to the training given students who are exceptional in various ways: the learning disabled, the mentally retarded, the culturally different, the emotionally disturbed, the gifted, and the talented. This "special" education for mildly handicapped children will increasingly be provided in the regular classroom. Johnson C. Smith students who take elective courses in special education will be prepared to teach all children in the regular classroom.

EDUCATION 133 Introduction to Exceptional Children Three credit hours

A course concerned with the characteristics and problems of exceptional children, including the learning disabled, the mentally retarded, the emotionally disturbed, and the gifted and talented.

EDUCATION 264 Practicum in Critical Observation in Special Education Six credit hours

A sophomore practicum in critical observation for prospective teachers in which students spend five additional hours a week serving as a teacher's assistant and attend a weekly planned seminar.

EDUCATION 296 Psychology of the Exceptional Three credit hours

An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Psychology 230.)

EDUCATION 399 Multidisciplinary Survey of Special Education Three credit hours

A study of cultural, social, intellectual, and educational problems and issues in special education. Includes behavior modification, counseling and guidance, civil rights, cultural differences, diagnosis and assessment, inquiry and research, and teacher attitudes.

**EDUCATION 465 Individualizing Curriculum for
Special Education**

Six credit hours

Interpretation, design, development, and implementation of curriculum used in special education. Involves student teaching under supervision.

**EDUCATION 496 Multidisciplinary Transcategorical
Seminar**

Three credit hours

A course concerned with transcategorical issues in special education: therapy, classroom management, counseling, evaluation, prescriptive teaching, and mainstreaming.

ART COURSES

ART 130 Basic Design

Three credit hours

A course designed to acquaint students with the principles of draftsmanship, color scheme variables, and principles of their application. Materials to be explored in this course: collage techniques, matting, acrylic and water color painting, various uses of charcoal, linoleum block printing, basic sculptural forms, and oil painting.

ART 131 Ceramics

Three credit hours

An introduction to methods in making pottery and glaze materials. Includes use of the potter's wheel and the kiln.

ART 133 Introduction to Drawing and Painting

Three credit hours

Emphasis on understanding form, line linear organization, color harmony, and physical properties of pigment (oil, acrylic, and gauche). Affords students an opportunity to explore the use of charcoal, Conte crayon, oil colors, acrylic color, and methods of canvas preparation and framing.

ART 134 Afro-American Art History

Three credit hours

A supplement to regular mainstream approaches in teaching American art history. Acquaints students with the distinguished creative output of persons of Afro-American backgrounds. Examines some two hundred years of black creative efforts.

ART 230 Art for the Elementary School

Three credit hours

A discussion of skills which will facilitate art work in the elementary school. Emphasis on developing creative ability. Two two-hour class meetings each week.

ART 231 Art Appreciation

Three credit hours

Appreciation for the beauty of architecture, painting, sculpture, pottery, and textiles. Two one-hour lecture periods and one two-hour laboratory period each week.

ART 232 History of Art Survey

Three credit hours

A survey of major arts and the influence of the historical past on the concepts and forms of contemporary creative endeavor. Prehistoric through early Gothic; late Gothic through Renaissance to Baroque.

ART 233 Introduction to Traditional African Art

Three credit hours

An introductory survey of traditional African art, emphasizing its etiological roots and its social context, as well as its aesthetic aspects. One major research paper to be assigned.

GEOGRAPHY COURSES

GEOGRAPHY 130 Introduction to Geography **Three credit hours**

A study of the basic cultural and physical elements of geography. Emphasis on climate, soils, natural vegetation, population distribution, and general land use.

GEOGRAPHY 131 World Regional Geography **Three credit hours**

Analysis of the physical and cultural features that characterize and differentiate the geographical landscapes and regions of the world.

DEPARTMENT OF PHYSICAL EDUCATION

A major in physical education consists of thirty-six credit hours, and a minor requires fifteen credit hours.

All students enrolled in Physical Education 110 through Physical Education 119 are required to wear the uniform prescribed by the Department of Physical Education.

Students who wish to major in physical education must complete Biology 140 (Introduction to Biology) and Biology 146 (Molecular Biology) before beginning the major. These courses should be completed during either the freshman or the sophomore year. Biology 240 is required of all students majoring in physical education. A student majoring in physical education must have an average of **C** or better in the required science courses: Biology 140, 146, and 240.

All students majoring in physical education must complete the following courses in health education: Physical Education 226 (Community Health), Physical Education 335 (School Health Problems), Physical Education 434 (Materials and Methods of Teaching Health Education), Physical Education 210 and 211 (Physical Education Skills and Techniques).

Students who wish to minor in physical education must complete Physical Education 222 (Physical Education in the Elementary School) in the sophomore year, Physical Education 224 (Dual and Single Games) in the sophomore year, Physical Education 323-324 (Methods and Materials in Team Sports) in the junior year, Physical Education 330 (First Aid, Safety, Athletic Injuries) in the junior year, Physical Education 331 (Organization and Administration of Health and Physical Education) in the junior year, and Physical Education 336 (Principles of Physical Education) in the sophomore year.

All students majoring in physical education are required to purchase and to wear the major uniform as prescribed by the department. The department recommends and urges all physical education majors to hold active membership in the American Association of Health, Physical Education, and Recreation.

PHYSICAL AND HEALTH EDUCATION COURSES

General Requirement Courses

PHYSICAL EDUCATION 110 Elementary Swimming **One credit hour**

A course designed for nonswimmers. Involves the fundamental skills of swimming.

PHYSICAL EDUCATION 111 Advanced Beginners Swimming One credit hour

A continuation of the beginners' course for persons who have not progressed sufficiently to meet requirements of the intermediate course.

PHYSICAL EDUCATION 112 Intermediate Swimming One credit hour

An advanced elementary swimming course with emphasis upon the development of skills in several swimming sports. Prerequisite: Physical Education 110 or 111.

PHYSICAL EDUCATION 113 Advanced Swimming One credit hour

A course which provides opportunities to learn advanced skills which will make the individual a competent all-around swimmer.

PHYSICAL EDUCATION 114A Recreational Games One credit hour

A course in bowling, shuffleboard, handball, and badminton.

PHYSICAL EDUCATION 114B Recreational Games One credit hour

A course in tennis, paddle-tennis, golf, and archery.

PHYSICAL EDUCATION 115 Rhythm and Dance Activities One credit hour

A course consisting of a variety of rhythm and dance activities: folk, square, social, etc.

PHYSICAL EDUCATION 116A Team Sports One credit hour

A course in team sports: field hockey, basketball, and volleyball.

PHYSICAL EDUCATION 116B Team Sports One credit hour

A course in team sports; flag football, basketball, and volleyball.

PHYSICAL EDUCATION 117A Physical Fitness One credit hour

A course in physical fitness: exercises, weight training, and combination acts.

PHYSICAL EDUCATION 117B Physical Fitness One credit hour

A course in physical fitness: exercises, weight training, and combination acts.

PHYSICAL EDUCATION 118A Self-testing Activities One credit hour

A course in self-testing activities: elementary gymnastics, stunts, and tumbling. FALL SEMESTER.

PHYSICAL EDUCATION 118B Self-testing Activities One credit hour

A course consisting of self-testing activities: fundamentals of trampoline, stunts, and tumbling. FALL SEMESTER.

PHYSICAL EDUCATION 119A Self-testing Activities One credit hour

A course designed for self-testing activities: weight training, track and field, and conditioning. SPRING SEMESTER.

PHYSICAL EDUCATION 119B Self-testing Activities One credit hour

A course in self-testing activities: calisthenics, relays and running, body mechanics, figure and weight control. SPRING SEMESTER.

PHYSICAL EDUCATION 121 Personal Hygiene Two credit hours

A course in personal health and hygiene. Emphasis on total fitness: physical, mental, and emotional.

Professional Physical Education Courses

PHYSICAL EDUCATION 026 Sports Officiating I Two credit hours

A course designed to provide the student with the knowledge, philosophy, skill, and mechanics essential to becoming a sport official of high caliber. Sports offered: football, basketball, and volleyball. FALL SEMESTER and/or SUMMER SESSION.

PHYSICAL EDUCATION 027 Sports Officiating II Two credit hours

The same course as Physical Education 026 except that the sports offered are swimming, track and field, baseball, and tennis. SPRING SEMESTER only.

PHYSICAL EDUCATION 101 Aquatic Practicum No credit hours

A course designed to develop aquatic skills essential to meeting the pre-requisites of Advanced Lifesaving (Physical Education 215). A competency-based course for physical education majors that possess little or no aquatic skills.

PHYSICAL EDUCATION 210-211 Physical Education Skills and Techniques One credit hour

A course designed to provide the professional physical education student with the opportunity to develop a high degree of skill in selected physical education activities.

PHYSICAL EDUCATION 215 Advanced Lifesaving One credit hour

A course designed to provide the student with skills and knowledge essential to qualify for American National Red Cross certification.

PHYSICAL EDUCATION 222 Physical Education in the Elementary School Two credit hours

A semester course designed to provide students with knowledge and practical experiences that will help them to teach effectively physical education to elementary school children. (Formerly Physical Education 223.)

PHYSICAL EDUCATION 224 Dual and Single Games Two credit hours

Presentation of teaching methods of activities in which one or two persons may participate.

PHYSICAL EDUCATION 226 Community Health Two credit hours

A study of the health of groups of individuals in a community.

PHYSICAL EDUCATION 228 Water Safety Instruction Two credit hours

A course designed to train students to become certified water safety instructors. Prerequisite: Physical Education 215 or a current advanced life-saving certificate.

PHYSICAL EDUCATION 323-324 (W) and (M) Methods and Materials in Team Sports Two credit hours

A study of methods and materials that can be used in team sports.

PHYSICAL EDUCATION 325 Gymnastics and Stunts Two credit hours

A course consisting of the fundamentals of gymnastics and stunts.

PHYSICAL EDUCATION 327 Special Physical Education Two credit hours

A course designed to provide the professional student with the philosophy, knowledge, and methods of teaching physical education to children with various handicapping conditions.

- PHYSICAL EDUCATION 329 Rhythms and Dance** **Two credit hours**
An activity course consisting of the fundamentals of dancing.
- PHYSICAL EDUCATION 330 First Aid, Safety, Athletic Injuries** **Three credit hours**
Lectures and practice in first aid, safety techniques, and prevention and treatment of athletic injuries.
- PHYSICAL EDUCATION 331 Organization and Administration of Physical Education** **Three credit hours**
A course involving objectives, content, and techniques of physical education and effective methods of teaching health education.
- PHYSICAL EDUCATION 333 Anatomy and Kinesiology** **Three credit hours**
An elementary course in anatomy especially adapted to the needs of students preparing for a major in physical education. Laboratory periods to be arranged. A lecture course dealing with the origin, insertion, and action of muscles of the human anatomy. Prerequisite: Biology 146.
- PHYSICAL EDUCATION 334 Principles, Practices, and Procedures in Health** **Three credit hours**
The study of health education principles, methods, and practices to improve health learning and teaching in the elementary school.
- PHYSICAL EDUCATION 335 School Health Problems** **Three credit hours**
A study of the school health program, its value, and its problems in developing health education in the junior and senior high schools.
- PHYSICAL EDUCATION 336 Principles of Physical Education** **Three credit hours**
Lecture course dealing with the underlying principles and meaning of physical education.
- PHYSICAL EDUCATION 422 Materials and Methods in Teaching Physical Education** **Two credit hours**
A study of effective methods of teaching physical education.
- PHYSICAL EDUCATION 434 Materials and Methods in Teaching Health Education** **Three credit hours**
A study of effective methods of teaching health education.

SEQUENTIAL LISTING OF COURSES TO BE COMPLETED FOR A MAJOR IN PHYSICAL EDUCATION

I. Area of Science

- Biology 145: General Zoology (Freshman or Sophomore Year)
- Biology 146: Molecular Biology (Freshman or Sophomore Year)
- Biology 240: Human Anatomy and Physiology

II. Area of Physical Education and Health Education

- Physical Education 101: Aquatic Practicum
- Physical Education 210 and 211: Physical Education Skills and Techniques

Physical Education 215: Advanced Lifesaving

Physical Education 222: Physical Education in the Elementary School (Sophomore Year)

Physical Education 224: Dual and Single Games (Sophomore Year)

Physical Education 226: Community Health (Sophomore Year)

Physical Education 323-324: Methods and Materials in Team Sports (Junior Year)

Physical Education 325: Gymnastics and Stunts (Junior Year)

Physical Education 327: Special Physical Education (Junior Year)

Physical Education 329: Rhythms and Dance (Junior Year)

Physical Education 330: First Aid, Safety, Athletic Injuries (Junior Year)

Physical Education 331: Organization and Administration of Health and Physical Education (Junior Year)

Physical Education 333: Anatomy and Kinesiology (Junior Year)

Physical Education 335: School Health Problems (Junior Year)

Physical Education 336: Principles of Physical Education (Sophomore Year)

Physical Education 422: Materials and Methods in Teaching Physical Education (Senior Year)

Physical Education 434: Materials and Methods in Teaching Health Education (Senior Year)

III. General Education

(See section on basic requirements, and consult with major adviser.)

IV. Teacher Education

(See section on professional education requirements, and consult with major adviser.)

CURRICULUM FOR PHYSICAL EDUCATION—TEACHER
EDUCATION MAJORS

Freshman Year

Fall Semester		Credit Hours	Spring Semester		Credit Hours
English 190—Composition		3	English 190—Composition		3
Philosophy or Religion		3	Philosophy or Religion		3
Art 231—Art Appreciation		3	P.E. 121—Personal Hygiene		2
Bio. 140—Intro. to Biology		4	Bio. 146—Molecular Biology		4
Math 131—Basic Math I		3	Math 132—Basic Math II		3
P.E. 210—Skills and Tech.		1	P.E. 211—Skills and Tech.		1
P.E. 101—Aquatic Practicum	NC	—			—
		17			16

Sophomore Year

Fall Semester		Credit Hours	Spring Semester		Credit Hours
English 231—Literature		3	English 232—Literature		3
History		3	History		3
(See Requirement Sheet.)			(See Requirement Sheet.)		
Social Science		3	Social Science		3
(See Requirement Sheet.)			(See Requirement Sheet.)		
Bio. 240—Anatomy and Physiology		4	P.E. 224—Dual and Single Games		2
P.E. 330—First Aid and Safety		3	Mus. 131—Music Literature		3
		16	P.E. 222—P.E. in Elem. Sch.		2
					16

Junior Year

Fall Semester		Credit Hours	Spring Semester		Credit Hours
P.E. 323—Team Sports		2	P.E. 324—Team Sports		2
P.E. 325—Gymnastics		2	P.E. 327—Special Phys. Ed.		2
P.E. 331—Org. and Adm.		3	P.E. 329—Rhythms and Dance		2
P.E. 333—Anat. and Kines.		3	P.E. 336—Prin. of Phys. Ed.		3
P.E. 215—Adv. Lifesaving		1	P.E. 335—School Health Problems		3
P.E. 226—Community Health		2	P.E. 395—The Secondary Sch.		3
P.E. 221—The Sch. as a Social and Educational Inst.		2			15
		15			

Senior Year

Fall Semester		Credit Hours	Spring Semester		Credit Hours
P.E. 422—M and M in Teaching Phys. Educ.		2	P.E. 434—M and M in Teaching Health Educ.*		3
Educ. 222—Measurement and Evaluation		2	Educ. 330—Philosophy of Education*		3
Psych. 237—Psychology of Adolescence		3	Psych. 239—Educational Psychology*		3
		7	Ed. 462—Student Teaching		6
					15

*Accelerated course.

DEPARTMENT OF PSYCHOLOGY

The Department of Psychology is committed to providing those curricular experiences which serve students, whether they be concentrating in psychology so that they may be equipped to enter graduate school or to embark upon a career upon leaving Johnson C. Smith, seeking ancillary support for concentrations in other disciplines, meeting University (general education) requirements, or searching for liberalizing and/or enjoyable learning experiences.

Psychology 131 or its equivalent is prerequisite to all other courses in psychology and is credited toward the major and minor requirements. A major in psychology consists of thirty credit hours, which must include Psychology 132, 233, 333, and two of the following courses: Psychology 234, 330, 332, 338, 339, and 435. A minor in psychology consists of eighteen credit hours, which must include Psychology 132 and two of the following courses: Psychology 233, 330, 332, 333, 338, and 435.

Students planning to major in psychology should take in the freshman year Psychology 131 and 132 and Mathematics 136, a prerequisite of Psychology 233, a major requirement. (For psychology majors, the combination of Mathematics 136 and Psychology 233 will fulfill the University requirements in mathematics. Whether or not students can take Mathematics 136 as their first course in mathematics will depend upon their performance on placement tests in mathematics.)

PSYCHOLOGY 131† General Psychology I **Three credit hours**

A course designed to provide an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence, and other related topics. FALL and SPRING SEMESTERS.

PSYCHOLOGY 132† General Psychology II **Three credit hours**

A more intensive and rigorous treatment of selected topics within general psychology. Special emphasis on experimental procedures. Laboratory demonstrations and participation. FALL and SPRING SEMESTERS.

PSYCHOLOGY 230 Psychology of the Exceptional **Three credit hours**

An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Education 296.) SPRING SEMESTER.

PSYCHOLOGY 233 Psychological Statistics **Three credit hours**

The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t, and F distributions, regression, and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. (Same as Sociology 233.) FALL and SPRING SEMESTERS.

PSYCHOLOGY 234 Experimental Designs **Three credit hours**

Presentation of various statistical designs used in psychological research. Emphasis on the analysis of variance. Prerequisite: Psychology 233 or its equivalent. SPRING SEMESTER.

PSYCHOLOGY 235 Psychology of Childhood **Three credit hours**

A study of behavior and development from infancy to adolescence. FALL and SPRING SEMESTERS.

- PSYCHOLOGY 237 Psychology of Adolescence** **Three credit hours**
The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. FALL and SPRING SEMESTERS.
- PSYCHOLOGY 239 Educational Psychology** **Three credit hours**
A presentation and discussion of psychological principles as they apply to learning and teaching. FALL and SPRING SEMESTERS.
- PSYCHOLOGY 330 The Psychology of Learning** **Three credit hours**
A study of the facts and theories of human and animal learning. SPRING SEMESTER.
- PSYCHOLOGY 332 The Psychology of Perception** **Three credit hours**
A study of the basic phenomena of perception as determined by conditions in the external situation and within the perceiver. FALL SEMESTER.
- PSYCHOLOGY 333 Experimental Psychology I** **Three credit hours**
Theory, methods, and techniques of experimental psychology through investigations of psychophysics, scaling, sensation, and human learning. Two hours of lecture and two hours of laboratory work per week. Prerequisite: Psychology 233 or its equivalent. FALL and SPRING SEMESTERS.
- PSYCHOLOGY 334 Experimental Psychology II** **Three credit hours**
Theory, methods, and techniques of experimental psychology through investigations of animal learning, perception, social interaction, and aesthetics. Two hours of lecture and two hours of laboratory work per week. Prerequisite: Psychology 333 or permission of the instructor. SPRING SEMESTER.
- PSYCHOLOGY 336 Psychology of Religion** **Three credit hours**
A study of the psychological factors in religious experience and the dynamic patterns affecting religious adjustment and maladjustment. Special attention to the problems of sin, guilt, conversion, and religious beliefs. Alternate years. (Same as Religion 334.) FALL SEMESTER.
- PSYCHOLOGY 338 Personality Theory** **Three credit hours**
Introduction to psychological approaches to personality theories and theorizing. FALL SEMESTER.
- PSYCHOLOGY 339 Principles of Psychological Measurement** **Three credit hours**
Theory and technique for constructing, selecting, utilizing, and evaluating tests for psychological assessment. SPRING SEMESTER.
- PSYCHOLOGY 430 Psychology of Speech** **Three credit hours**
The psychological principles involved in oral communication and their application to special individual and group problems. (Same as Speech 430.) SPRING SEMESTER.
- PSYCHOLOGY 431 Social Psychology** **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Sociology 431.) SPRING SEMESTER.
- PSYCHOLOGY 432 Abnormal Psychology** **Three credit hours**
A study of the kinds and theories of behavioral disorders. FALL SEMESTER.
- PSYCHOLOGY 434 Introduction to Clinical Psychology** **Three credit hours**
A survey of clinical problems and techniques. SPRING SEMESTER.

PSYCHOLOGY 435 Theoretical Psychology Three credit hours

A review of the history of psychology as it relates to major efforts at systematizing in the field. A consideration of the methodology of theory construction. FALL SEMESTER.

PSYCHOLOGY 436, 426, 416 Independent Research in Psychology One (416), two (426), or three (436) credit hours

Independent investigation of topics of special interest. Prerequisites: junior classification, six hours in psychology, approval of faculty supervisor. May be repeated. FALL and SPRING SEMESTERS.

PSYCHOLOGY 437 Individual Psychological Tests I Three credit hours

The administration and interpretation of tests for preschool and elementary school children. Prerequisites: Mathematics 136, Psychology 339, and nine additional hours in psychology. FALL SEMESTER.

PSYCHOLOGY 438 Individual Psychological Tests II Three credit hours

The administration and interpretation of tests at the adolescent and adult levels. Prerequisites: Mathematics 136, Psychology 339, and nine additional hours in psychology. SPRING SEMESTER.

PSYCHOLOGY 460 Internship in Psychology Six credit hours

An opportunity for students, under supervision, to participate in such professional psychological activities as testing, counseling, job placement, group therapy, and research. NOTE: Each student will be responsible for 200 to 250 hours of work in a selected community agency and for participation in periodic seminars. FALL and SPRING SEMESTERS.

DIVISION IV: MATHEMATICS AND SCIENCES

The Departments of Biology, Chemistry, Mathematics, and Physics constitute the Division of Natural Science and Mathematics. Students may elect a major in biology, chemistry, mathematics, or physics-mathematics. All departments will provide work for a minor.

Premedical, pre dental, and other preprofessional programs may be arranged. (See Biology and Chemistry.)

GENERAL SCIENCE MAJOR

A major in general science consists of Biology 143-144, Chemistry 141-142, Mathematics 133 or 150, and 134, Physics 241-242, and twelve additional credit hours in courses above the 100-level in one of these three sciences: biology, chemistry, and physics.

DEPARTMENT OF BIOLOGY

The Department of Biology attempts to develop an understanding of life through a comprehensive and penetrating study of the concepts, methodology, and philosophy of biology. The department hopes to provide an environment in which the broad themes of biology may be discussed and their relevance to other disciplines appreciated. In addition, the department attempts to prepare students for graduate work, research, and training for pro-

fessional service in medicine and dentistry, medical technology, and education.

A major in biology requires a minimum of thirty-two credit hours, which must include Biology 143-144, Biology 411-412, and one advanced course from Group I and one from Group II.

Group I consists of Biology 241, 331, 340, 343, and 345; Group II consists of Biology 242, 342, 440, and 442, as well as sixteen to twenty credit hours in inorganic, organic, and analytical chemistry, Mathematics 133 and 134, and Physics 241-242.

A minor in biology requires twenty credit hours, of which twelve must be taken from courses above the 100-level.

Substitution for courses may be authorized by the head of the department and filed with the registrar.

BIOLOGY 140† Introductory Biology **Four credit hours**

A study of the plant and animal kingdom. A general treatment of the structure, function, and continuity of living organisms. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 143 General Zoology **Four credit hours**

A study of the structures, functions, environmental relationships, origin, and development of animals. Fulfills the requirements for a major in biology. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 144 General Botany **Four credit hours**

A study of the morphology, physiology, heredity, and evolution of plants, including a survey of the plant kingdom. Emphasis on life cycles. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 146 Molecular Biology **Four credit hours**

A study of the physical and chemical aspects of cellular activity. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 240 Human Anatomy and Physiology **Four credit hours**

A study of the basic structure and functions of man, both descriptive and experimental. Prerequisite: Biology 140. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 241 Cell Biology **Four credit hours**

A detailed study of the structure, organization, physiological activities, and ecology of plant and animal cells. Prerequisites: Biology 143 and 144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 242 Ecology **Four credit hours**

Relationships between organisms and their environment. Emphasis on the climatic, edaphic, physiographic, and biotic principles involved. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week. Several field trips to be included.

†May be used to satisfy general education requirements and physical education major.

BIOLOGY 331 Laboratory Technique**Three credit hours**

An interdisciplinary course in laboratory methods which will include chromatography, electrophoresis, spectrophotometry, and electroanalytic methods. Designed for prospective teachers and for students interested in medicine, dentistry, or allied health professions. Prerequisites: Biology 143-144 and Chemistry 141-142. Corequisite: Physics 241. Lecture: one hour a week. Laboratory: four hours a week.

BIOLOGY 340 Genetics**Four credit hours**

The transfer of hereditary characteristics studied at the molecular, organismic, and species levels. Prerequisites: Biology 143-144 or the equivalent, Chemistry 141-142, Mathematics 333 or the equivalent. Organic chemistry recommended. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 342 Microbiology**Four credit hours**

An introduction to the study of microorganisms. Special emphasis on their relationship to man. Prerequisites: Biology 143-144. Chemistry recommended. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 343 Histology**Four credit hours**

Instruction in the technique of preparing tissues of microscopic observation. The examination and detailed study of various tissues. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 345 Embryology**Four credit hours**

A study of the development process in animals. Special reference to the frog, chick, pig, and man. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 410, 420, 430 Research Problems in Biology**One to three credit hours**

Independent or team work in laboratory investigation of some aspects of biology. Progress reports, discussions, and presentation of results. Work permitted to extend over several semesters. Prerequisite: approval of the research director.

BIOLOGY 411-412 Seminar**One credit hour**

Independent work on recent findings of some aspect of biology. Prerequisite: approval of the seminar coordinator and the head of the department.

BIOLOGY 440 Integrated Physiology**Four credit hours**

An analysis of the processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Prerequisites: Biology 143-144, Chemistry 141-142, and Chemistry 243 or 341. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 442 Comparative Anatomy**Four credit hours**

A general study of the various vertebrate types, including mammals. A detailed laboratory study of the gross anatomy of a specimen of fish, amphibian, reptile, bird, and mammal. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

CURRICULUM FOR BIOLOGY MAJORS

(Bachelor of Science Degree)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Math 133—Elementary Functions and Trigonometry*	3	Math 134—Introductory Analysis*	3
Biology 143—General Zoology	4	Biology 144—General Botany	4
English 190*	3	English 190*	3
French 131—Elementary French**		French 132—Elementary French**	.
OR		OR	
Spanish 131—Elementary Spanish	3	Spanish 132—Elementary Spanish	3
Humanities and Fine Arts Elective— Philosophy or Religion	3	Humanities and Fine Arts Elective— Music, Drama, Art, or Speech	3
Physical Education Elective (Activity)	1	Physical Education Elective (Activity)	1
—		—	
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Chemistry 141—General Chemistry	4	Chemistry 142—General Chemistry	4
Physics 241—General Physics	4	Physics 242—General Physics	4
Biology 241—Cell Biology	4	Biology 242—Ecology	4
English 231—World Literature	3	English 232 or 235—World Literature or Introduction to Fiction	3
Physical Education 121— Personal Hygiene	2	Social Studies Elective	3
—		—	
	17		18

Junior Year

Fall Semester		Spring Semester	
Chemistry 341—Organic Chemistry	4	Chemistry 342—Inorganic Chemistry	4
Biology 331—Laboratory Technique	3	Biology 412—Seminar	1
Biology 411—Seminar	1	Biology 343—Histology	4
Social Studies Elective	3	Biology 410, 420, 430— Research	1-2-3
Humanities and Fine Arts Elective—Philosophy or Religion	3	Social Studies Elective	3
Elective	3	Humanities and Fine Arts Elective—Drama, Art, or Speech	3
—		—	
	17		16-18

Senior Year

Fall Semester

Chemistry 333—Biochemistry**	3
Biology 340—Genetics	4
Biology 440—Integrated Physiology	4
Biology 410, 420, 430— Research	1-2-3
Elective	3

15-17

Spring Semester

Chemistry 334—Biochemistry**	3
Biology 342—Microbiology	4
Biology 345—Embryology	4
Social Studies Elective	3
Elective	3

17

*Mathematics and English courses in the freshman year: dependent upon placement results.

**Recommended course.

DEPARTMENT OF CHEMISTRY

The courses in chemistry are designed to enable students to acquire a general knowledge of chemistry, to equip those students who plan to teach, and to give a basic foundation to those students who plan to study medicine, to work in industry, or to pursue advanced work in chemistry.

A major in chemistry requires a minimum of thirty-two credit hours; a minor requires a minimum of twenty-two credit hours, exclusive of Chemistry 131 and 132. Course requirements for the major in chemistry are Chemistry 141-142, 241-242, 341-342, 411-412, and 431-432. In addition to required courses in chemistry, Physics 241-242 and Mathematics 233-234 are also required.

CHEMISTRY 141-142† General Chemistry Four credit hours

A discussion of the fundamental principles of chemistry in relation to the physical and chemical properties of the nonmetallic and metallic elements and their compounds. Prerequisite or corequisite: Fundamental Algebra (Mathematics 131) or a mathematics course above the 131 level. Alternate prerequisite: the completion of Chemistry 140 with a grade of **C** or better. Three lectures and two two-hour laboratory periods.

CHEMISTRY 241 Analytical Chemistry Four credit hours

The theory and practice of measurement as applied to representative volumetric and gravimetric determinations. Prerequisite: Chemistry 142 with a grade of **C** or better. Three lectures and two two-hour laboratory periods.

CHEMISTRY 242 Instrumental Methods of Analysis Four credit hours

A discussion of the theoretical principles of modern instrumentation. Appropriate experiments to complement the discussion. Prerequisite: Chemistry 241 or consent of instructor. Two two-hour laboratory periods.

CHEMISTRY 313-314 Biochemistry Laboratory One credit hour

Courses to accompany Chemistry 333-334. Two two-hour laboratory periods a week.

CHEMISTRY 331 Inorganic Chemistry **Three credit hours**

A study of the theoretical and descriptive aspects of inorganic chemistry, emphasizing the relationship between atomic and molecular structure and chemical and physical properties. Prerequisite: Chemistry 241.

CHEMISTRY 333-334 Biochemistry **Three credit hours**

A study of biochemical processes and molecular reactions in living systems, including a study of carbohydrates, lipids, proteins, metabolic reactions, and energy considerations. Prerequisites: Biology 143-144, Chemistry 141-142 and 341-342. Lectures: three hours a week.

CHEMISTRY 341-342 Organic Chemistry **Four credit hours**

The principles of organic chemistry as illustrated by the preparation and study of typical representatives of the aliphatic and aromatic series. Prerequisite: Chemistry 142 with a grade of **C** or better. Three lectures and two two-hour laboratory periods.

CHEMISTRY 430 Advanced Organic Chemistry **Three credit hours**

Topics of current interest in theoretical and practical organic chemistry, including mechanisms of reactions and synthetic methods. Prerequisite: Chemistry 342.

CHEMISTRY 411-412 Selected Experiments in Physical Chemistry **One credit hour**

Courses to accompany 431-432. Two two-hour laboratory periods.

CHEMISTRY 420-421 Chemistry Seminar **Two credit hours**

Presentation and discussion of selected topics from the major areas of chemistry. Oral and written reports required. Prerequisite: consent of instructor.

CHEMISTRY 422, 423, 424, 425 Laboratory Projects in Chemistry **Two to eight credit hours**

Advanced laboratory investigation designed to allow the student to become actively involved in chemistry research either by participating in faculty designed projects or by pursuing individual interests approved by the staff. Prerequisite: junior standing or consent of staff.

CHEMISTRY 431-432 Physical Chemistry **Three credit hours**

The principles of chemistry and physics as applied to the properties and behavior of gases, liquids, solids, and solutions. A discussion of modern concepts in the properties and behavior or aggregation of atoms and molecules. Prerequisites: Physics 242 or 342, Calculus II, and Chemistry 241.

PHYSICAL SCIENCE 141 Physical Science **Four credit hours**

A study of the physical universe, including space, energy, and structure of matter. A terminal course fulfilling general education requirements for non-majors in science. Lectures: three hours per week. Laboratory: two hours per week.

CURRICULUM FOR CHEMISTRY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
General Chemistry 141	4	General Chemistry 142	4
English Composition	3	English Composition	3
Mathematics' 133	3	Mathematics 134	3
Foreign Language	3	Foreign Language	3
Social Science Requirement	3	Social Science Requirement	3
Physical Education	1	Physical Education	1
	—		—
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Organic Chemistry 341	4	Organic Chemistry 342	4
Foreign Language	3	Foreign Language	3
Calculus I	3	Calculus II	3
Physics 243	4	Physics 244	4
Physical Education 121	2	Humanities Requirement	3
	—		—
	16		17

Junior Year

Fall Semester		Spring Semester	
Analytical Chemistry 241	4	Analytical Chemistry 242	4
World Literature	3	World Literature	3
Humanities Requirement	3	Humanities Requirement	3
Social Science Requirement	3	Social Science Requirement	3
Elective*	3	Elective*	3
	—		—
	16		16

Senior Year

Fall Semester		Spring Semester	
Physical Chemistry 431	3	Physical Chemistry 432	3
Selected Exp. in P. Chem. 411	1	Selected Exp. in P. Chem. 412	1
Humanities Requirement	3	Electives*	12
Electives*	9		—
	—		16
	16		

*Recommended electives:

Biochemistry

Calculus III

Linear Algebra

Computer Science

Laboratory Projects in Chemistry

Concepts in Biology

DEPARTMENT OF MATHEMATICS AND PHYSICS

MATHEMATICS

The objectives of the Department of Mathematics are as follows: to provide students with mathematical background for general and professional education, to prepare students for advanced study in mathematics, to prepare students to become mathematics teachers, to prepare students for employment in applied mathematics, and to develop appreciation for mathematics as a science.

A major in mathematics consists of thirty-three credit hours in mathematics. The following courses are required: Mathematics 233-234, 333, 335 or 439, 336, 341, 411-412, and 433. Students majoring in mathematics must also take eight credit hours of physics or four credit hours of physics and Computer Science 231.

A minor in mathematics consists of twenty-one credit hours of mathematics only or fifteen credit hours of mathematics and six credit hours of business, marketing, or economics. Required courses for a minor are Mathematics 136 or 333, 233-234, and 336. Electives include any mathematics courses above Mathematics 150 or 231 and any two of the following: Business 333, Economics 432, and Marketing 331 or 431.

Additional courses for the student majoring in mathematics may be selected from the track most appropriate for his postcollege plans.

TRACK 1: Graduate Study (Mathematics 334, 441, and another three-credit mathematics course)

TRACK 2: Teacher of Mathematics (Mathematics 136 or 334, 330, 420, 421 or 422, 434 or 426, and two credit hours of independent study; Education 221, 222, and 395; Psychology 331 and 337; Physical Education 226)

TRACK 3: Computer Science (Mathematics 434 and twelve credit hours in computer science)

TRACKS 4, 5, 6, 7: Business (Mathematics 136, Computer Science 231-232, Economics 131-132, Accounting 235-236, and these electives: Business 332-333, Marketing 331 or 431, and six credit hours in accounting or economics)

Placement

All entering freshmen are required to take the Mathematics Placement Test. Students whose performance demonstrates a need for remediation will be required to enroll in Mathematics 141, which includes a required two-hour laboratory. Other students will enroll in Mathematics 131. Students who enroll in Mathematics 131 or Mathematics 141 must take Mathematics 132 in order to satisfy the general education requirement.

The Mathematics Advanced Placement Test is given for students who desire to satisfy the general education requirement by taking higher level courses. A satisfactory advanced placement

score will exempt students from Mathematics 131 or 141 and will permit them to enroll immediately in Mathematics 132, 133, 136, 150, or 233. All students must earn six or seven credit hours to satisfy the general education mathematics requirement.

MATHEMATICS 131 Basic Mathematics I Three credit hours

Sets, finite mathematical systems, and real numbers and their subsystems. Emphasis on their properties and applications. Prerequisite: satisfactory score on placement test.

MATHEMATICS 141 Basic Mathematics I Four credit hours

Sets, finite mathematical systems, and real numbers and their subsystems. Emphasis on their properties and applications. Designed for students who need remediation. Two-hour laboratory required.

MATHEMATICS 132 Basic Mathematics II Three credit hours

A continuation of the development of real numbers with applications, trigonometry of the right triangle, topics from number theory, algebra, intuitive geometry, and statistics. Prerequisite: Mathematics 131, 141, or high score on placement test.

MATHEMATICS 133 Elementary Functions and Trigonometry

Three credit hours

A course designed to develop background for the study of college algebra and trigonometry, real numbers, coordinate systems, elementary statistics. Covers basic rules and manipulative techniques of algebra and trigonometry, real numbers, coordinate systems, elementary functions and graphs, equations and inequalities.

MATHEMATICS 134 Introductory Analysis Three credit hours

Algebra, trigonometry, and polynomial calculus. Prerequisite: Mathematics 131 or the equivalent.

MATHEMATICS 136 Introductory Statistics Three credit hours

A course for majors in areas other than mathematics. Descriptive statistics, introductory probability, the normal curve, linear correlation, and regression. Prerequisite: Mathematics 131 or the equivalent.

MATHEMATICS 138 Modern Business Mathematics Three credit hours

Compound interest, annuities, bonds, sinking funds, depreciation, etc. Prerequisite: Mathematics 131 or the equivalent.

MATHEMATICS 150 College Algebra and Trigonometry Five credit hours

Sets, number fields, equations and inequalities, functions, exponential and logarithmic functions, trigonometric functions. Prerequisite: Mathematics 131 or the equivalent.

MATHEMATICS 210 Statistical Laboratory One credit hour

A supporting course for Mathematics 136. Two one-hour laboratory periods a week.

MATHEMATICS 233-234 Calculus I and II Three credit hours

Fundamentals of plane analytic geometry. Fundamental concepts of differentiation and integration with applications. Prerequisite: Mathematics 134 or 150. (Formerly 241-242.)

- MATHEMATICS 330 Modern Geometry** **Three credit hours**
The logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 233.
- MATHEMATICS 333-334 Probability and Statistics** **Three credit hours**
Elements of probability theory, mathematical statistics, and applications. Prerequisite: Mathematics 233 for Part I; Mathematics 341 for Part II.
- MATHEMATICS 335 Introductory Abstract Algebra** **Three credit hours**
Elementary set theory and logic, mapping, groups, rings, integral domains, fields, and polynomials. Prerequisite: Mathematics 150 or the equivalent.
- MATHEMATICS 336 Introductory Linear Algebra** **Three credit hours**
Linear equations, vector spaces, linear transformations, theory, and applications of matrices and determinants. Prerequisite: Mathematics 150 or the equivalent.
- MATHEMATICS 337 Mathematics for Early Childhood—
Intermediate School Teachers I** **Three credit hours**
Sets, development of whole numbers, natural numbers, fractions, and integers with emphasis on their properties. The concept of number and numeral and the study of algorithms. Prerequisite: Mathematics 132.
- MATHEMATICS 338 Mathematics for Early Childhood—
Intermediate School Teachers II** **Three credit hours**
Real numbers with emphasis on their properties; logic, relations, and functions; the concept of measure; measurement, including the metric system; topics from intuitive geometry; exposure to algorithms and innovative methods of teaching mathematics to students with a wide range of abilities. Prerequisite: Mathematics 337.
- MATHEMATICS 341 Calculus III** **Four credit hours**
Extension of calculus to several variables, vector analysis, infinite series, and line integrals. Prerequisite: Mathematics 234.
- MATHEMATICS 411-412 Mathematics Seminar** **One credit hour**
A course designed to strengthen independent study habits in mathematics. A study of set theory and logic and the structure of the real numbers and their subsystems. Prerequisite: Mathematics 341.
- MATHEMATICS 420 Materials and Methods in
High School Mathematics** **Two credit hours**
Modern methods and materials for teaching mathematics to high school students. Prerequisites: Mathematics 234 and 335 or 336.
- MATHEMATICS 423-424 Internship in Mathematics** **Two credit hours**
A two-part course designed to provide experience in laboratory approaches to the teaching of mathematics. Covers such topics as the use of audio-visual aids, programmed materials, and the designing of special mathematical activities to meet the needs of underprepared students. Prerequisite: junior or senior with a major or minor in mathematics.
- MATHEMATICS 431-432 Advanced Calculus** **Three credit hours**
A real variable approach to calculus. Prerequisite: Mathematics 341.
- MATHEMATICS 433 History of Mathematics** **Three credit hours**
A study of the evolution of mathematics to the present time. Creative problem solving emphasized. Prerequisite: Mathematics 341.

MATHEMATICS 434 Elementary Differential Equations Three credit hours
A general course in ordinary differential equations. Prerequisite: Mathematics 341.

Reading in Mathematics

Qualified students in mathematics may take any of the following courses as individual independent study units. Under certain circumstances, any of these courses may take the form of a regular class. Prerequisite: consent of the instructor.

MATHEMATICS 315, 316, 415, 416 Independent Study in Mathematics		One to four credit hours
MATHEMATICS 421	Topics in Analysis	Two credit hours
MATHEMATICS 422	Topics in Complex Variables	Two credit hours
MATHEMATICS 426	Topics in Number Theory	Two credit hours
MATHEMATICS 429	Topics in Statistics	Two credit hours
MATHEMATICS 436	Topics in Numerical Methods	Three credit hours
MATHEMATICS 439	Topics in Modern Algebra	Three credit hours

CURRICULUM FOR MATHEMATICS MAJORS

Freshman Year			
		Credit	Credit
Fall Semester	Hours	Spring Semester	Hours
Math 133	3	Math 150	5
English Composition	3	English Composition	3
Foreign Language	3	Foreign Language	3
Fine Arts	3	Fine Arts	3
CSC 231	3	CSC 232	3
Physical Education	1	Physical Education	1
—		—	
16		18	

Sophomore Year			
Fall Semester		Spring Semester	
Math 233	3	Math 234	3
Math 136	3	Math 336	3
Phys. 243	4	Phys. 244	4
World Literature	3	World Literature	3
Physical Education	2	Social Science	3
Social Science	3	—	
—		16	
18			

Junior Year			
Fall Semester		Spring Semester	
Math 411	1	Math 431	3
Math 341	4	Math 412	1
Math 333	3	Math 335	3
Social Science	3	Biology 140	4
Electives*	4	Electives*	5
—		—	
15		16	

Senior Year

Fall Semester		Spring Semester	
Math 434	3	Math 433	3
Religion	3	Philosophy	3
Electives*	9	Social Science	3
	—	Electives*	6
	15		—
			15

* Suggested Electives:

CSC 233	Math 334	Physics 435
CSC 234	Math 421	Physics 436
CSC 341	Math 432	Physics 438

PHYSICS

The courses in physics are designed to train those who plan to do graduate work in physics, to enter industry, to teach in secondary or technical schools, and to obtain a general knowledge in the modern fields of descriptive and quantitative experimental physics.

A major in physics-mathematics consists of a minimum of twenty-three credit hours of physics and twenty credit hours of mathematics.

The physics requirements include 243, 244, 330 or 344, 331, 332, 431, and 432. The Physics Department may substitute other courses in physics to satisfy the requirement in the physics-mathematics major. A list of these courses must be filed with the registrar.

The mathematics requirements include 233, 234, 333 or 334, 336, 341, 421 or 431, and 434.

The chemistry requirements include 141 and 142.

A minor in physics consists of the twenty-three credit hours of physics in the physics-mathematics major.

PHYSICS 235 Vector Analysis Three credit hours

Gradient, divergence, curl, and Laplican, together with their physical significance, line and surface integrals; Gauss and Stokes theorems; vectors in Cartesian, cylindrical, and spherical polar coordinates. Physical application of matrices and tensors. Three lecture hours a week. Prerequisite: Mathematics 234.

PHYSICS 241 General Physics Four credit hours

A study of mechanics, heat, and sound. Three lecture hours and two laboratory periods per week. Prerequisite: Mathematics 133 or the equivalent.

PHYSICS 242 General Physics Four credit hours

A study of electricity, magnetism, light, and modern physics. Three lecture hours and two laboratory periods per week. Prerequisite: Physics 241.

PHYSICS 243 Mechanics and Heat Four credit hours

A study of vectors, statics, dynamics, fluid mechanics, and heat. Three lecture hours and four laboratory periods per week. Corequisite: Mathematics 233.

- PHYSICS 244 Electrodynamics** **Four credit hours**
Electricity and magnetism. Topics treated in detailed manner. Three lecture hours and four laboratory periods per week. Prerequisite: Physics 243 and corequisite: Mathematics 234.
- PHYSICS 330 Laboratory Electronics** **Three credit hours**
An introduction to basic principles of electronics, operation of electronic measuring devices, and construction of devices for electrical and electronic measurements. One lecture hour and four laboratory periods per week. Prerequisite: Physics 244.
- PHYSICS 331 Introduction to Modern Physics I** **Three credit hours**
Elements of electricity and magnetism, the special theory of relativity, atomic particles, the nuclear atom, electro-magnetic radiation, X rays, waves and particles, Bohr's theory, optical Spectra, and X ray Spectra. Three lecture hours per week. Prerequisite: Physics 244.
- PHYSICS 332—Introduction to Modern Physics II** **Three credit hours**
Radioactivity, disintegration of nuclei, fission and fusion, nuclear processes, fundamental particles, and accelerators. Three lecture hours per week. Prerequisite: Physics 331.
- PHYSICS 344 Waves and Optics** **Four credit hours**
A general but detailed study of waves, acoustics, and optics. Three lecture hours and two laboratory periods per week. Prerequisite: Physics 243.
- PHYSICS 412 Physics Seminar** **One credit hour**
Prerequisite: Consent of the instructor.
- PHYSICS 431 Advanced Mechanics** **Three credit hours**
Kinematics, moving coordinate systems, motion of rigid body, central force problem, oscillations and coupled oscillators, Lagrange's and Hamilton's equations, generalized coordinates. Three lecture hours per week. Prerequisites: Physics 243 and Mathematics 341.
- PHYSICS 432 Advanced Electrodynamics** **Three credit hours**
Electromagnetic field theory, Maxwell's equation, electromagnetic radiations and relativistic effects. Three lecture hours per week. Prerequisites: Physics 244 and Mathematics 341.
- PHYSICS 433 Kinetic Theory and Statistical Mechanics** **Three credit hours**
Introduction to kinetic theory and statistical mechanics. Treated in detail. Three lecture hours per week. Prerequisite: Physics 441.
- PHYSICS 436 Solid State Physics** **Three credit hours**
An introduction to solid state physics. Three lecture hours per week. Prerequisites: Physics 332 and Mathematics 341.
- PHYSICS 438 Quantum Theory** **Three credit hours**
An introduction to quantum theory. Three lecture hours per week. Prerequisites: Physics 332 and Mathematics 434.
- PHYSICS 441 Thermodynamics** **Four credit hours**
Thermometry and expansion of solids, liquids, and gases. Calorimetry. Laws of thermodynamics and their applications. Low temperature physics. Three lecture hours and two laboratory periods per week. Prerequisites: Physics 243 and Mathematics 233.

PHYSICS-MATHEMATICS

CURRICULUM FOR PHYSICS-MATHEMATICS MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Math 133 or 150	3 or 5	Math 134	3
English	3	English	3
Foreign Language	3	Foreign Language	3
Fine Arts	3	Fine Arts	3
CSC 231	3	CSC 232	3
Physical Education	1	Physical Education	2
<hr/>		<hr/>	
16 or 18		17	

Sophomore Year

Fall Semester		Spring Semester	
Physics 243	4	Physics 244	4
Math 233	3	Math 234	3
English	3	English	3
Chemistry 141	4	Chemistry 142	4
Social Science	3	Psychology	3
<hr/>		<hr/>	
17		17	

Junior Year

Fall Semester		Spring Semester	
Physics 330 or 344	3	Physics 332	3
Math 333	3	Math 336	3
Physics 331	3	Math 341	4
Social Science	3	Social Science	3
Elective*	3	Elective*	3
<hr/>		<hr/>	
15		16	

Senior Year

Fall Semester		Spring Semester	
Physics 431	3	Physics 432	3
Math 431	3	Math 434	3
Religion	3	Electives*	9
Electives*	7	<hr/>	
<hr/>		15	
16			

*Suggested Electives:

Physics 235	Math 412	CSC 233
Physics 412	Math 421	CSC 234
Physics 433	Math 432	CSC 331
Physics 436		CSC 336
Physics 438		
Physics 441		

COMPUTER SCIENCE

Modern digital computers are being used to help to solve problems in almost every area of industry, business, and education. They are being used to help to design and to operate space vehicles, to teach children reading and arithmetic, to make financial transactions and management decisions, and to provide a multitude of other services vital to the individual's well-being. Because of the impact of computers on society, today's college students should acquire an acquaintance with computers and their applications in order to prepare themselves better to meet the challenges of the future.

The computer science program at Johnson C. Smith University provides training in the principles on which computers operate and lays a foundation for further study in the area. The objectives of the program are as follows: to train students in the area of computer science and related areas for immediate vocational opportunities, to prepare students for graduate study in the field of computer science, to provide an appreciation for the capabilities and limitations of computers, and to build a framework of sound reasoning and logical decision-making processes.

A major in computer science consists of at least thirty-five credit hours of computer science courses numbered 200 or higher and at least twenty credit hours of mathematics-physics courses numbered 200 or higher. The required courses are Computer Science 231, 232, 233, 234, 331, 332 or 435, 341, 342 or 432, 431; Mathematics 233, 234, 333, 336; Physics 243 and 244. Majors in computer science must develop the facility for moving into and out of differing problem environments. For this reason, independent student projects and the careful selection of electives are stressed.

A minor in computer science consists of at least twenty-one credit hours of computer science courses, which must include Computer Science 231, 232, 233, 234, and 341 or 342. Nonmajors and minors may take courses in computer science to fulfill the general education requirements in mathematics, as well as to broaden their program of study.

All 100-, 200-, and 300-level computer science courses provide hands-on experience involving the actual operation of computers and peripheral devices.

COMPUTER SCIENCE 131-132 Programming Concepts I, II

Three credit hours each

A two-semester sequence designed to acquaint noncomputer science majors and minors with programming concepts and computer applications. Topics to include basic computer components and their functions, the preparation of problems for the computer, programming BASIC and RPG II. Group projects in computer applications in mathematics, business, and education. Prerequisite: Mathematics 141 or 131.

COMPUTER SCIENCE 231 Introduction to Programming Three credit hours

Organization and characteristics of digital computers. Design and representation of algorithms; problem solving and programming techniques. Debugging and verification of programs; computer processing of programs and basic data structures. Prerequisite: Mathematics 133.

COMPUTER SCIENCE 232 Intermediate Programming Three credit hours

Techniques of sophisticated programming; machine language, instruction format, and execution; addressing techniques; digital representation of data; symbolic coding and assembly systems. Call and expansion of macros; program segmentation and linkage; system and utilities programs; program projects to illustrate concepts and applications. Prerequisite: Computer Science 231.

COMPUTER SCIENCE 233-234 Introduction to Programming**Languages I, II****Three credit hours**

Fundamental characteristics of high level languages. Programming structures and techniques in BASIC; characteristics, facilities, and problem solving in FORTRAN; characteristics, divisions, and problem solving in COBOL. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 331 Mathematics for Data Processing**Three credit hours**

Introduction to discrete structures. Set theory, equivalence relations, semi-groups, groups, and rings; Boolean algebra and propositional logic; graph theory; applications of these structures to computer science. Prerequisites: Mathematics 234 and Computer Science 232.

COMPUTER SCIENCE 332 Operating Systems and Time Sharing**Three credit hours**

Monitor systems: purpose and design. Interrupt handling, I/O processing, addressing techniques, multiprogramming systems, scheduling, time-sharing methods, and channel programs. Programming projects to illustrate concepts. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 335 Computer Organization and Design**Three credit hours**

Detailed assembly design techniques, table handling, and searching techniques. Macro processor design and implementation. Functional characteristics and implementation of different types of loaders. Group projects. Prerequisite: Computer Science 331.

COMPUTER SCIENCE 336 Data Structures**Three credit hours**

Basic concepts of data. Linear lists, strings, arrays, and orthogonal lists. Representation of trees and graphs. Storage systems and structures; storage allocation and collection; multilinked structures; symbol tables and searching techniques; data structures in programming languages. Prerequisite: Computer Science 331.

COMPUTER SCIENCE 341 Applications Programming: COBOL**Four credit hours**

Advanced topics in COBOL. Table handling, library facilities, random access methods for input/output processing; subroutine facilities, picture editing, and teleprocessing usages. Group projects in business applications. Prerequisite: Computer Science 234.

COMPUTER SCIENCE 342 Applications Programming: FORTRAN**Four credit hours**

Advanced topics in FORTRAN. Storage management, input/output facilities, function subprograms and subroutines. Numerical methods, including solutions to nonlinear equations and systems of equations, numerical integration, and statistical applications. Prerequisites: Mathematics 234 and Computer Science 234.

COMPUTER SCIENCE 411-412 Independent Study One credit hour each
Topics and projects designed to meet student needs and to strengthen independent study habits in computer science. Prerequisite: Computer Science 234.

COMPUTER SCIENCE 431 Computer Theory and Logic Three credit hours
Basic digital circuits, Boolean algebra, and combinational logic, data representation and transfer. Digital arithmetic, digital storage and accessing, control functions, input/output facilities, system organization, and reliability. Microprogramming and description of stimulation techniques. Prerequisites: Computer Science 331 and Physics 244.

COMPUTER SCIENCE 432 Topics in Numerical Methods Three credit hours
Numerical computations with digital computers. Floating point arithmetic and implications of round-off error. Algorithms and computer techniques for the numerical solution of problems in several of the following areas: function evaluation, zeros of functions, interpolation, curve fitting, solutions of nonlinear equations, and numerical solutions of ordinary differential equations. Prerequisites: Mathematics 234 and Computer Science 234.

COMPUTER SCIENCE 434 Compiler Design Three credit hours
Review of program language structure, translation, loading, execution, and storage allocation. Compilation of simple expressions and statements. Organization of a compiler, including compile-time and run-time symbol tables, lexical scan, syntax scan, object code generation, error diagnostics, and overall design. Prerequisites: Computer Science 234 and 336.

COMPUTER SCIENCE 435 Machine Structure Three credit hours
Complete breakdown of the hardware features of the system. Hardware addressing, register features, instruction format, data format, basic memory unit, and special features; hardware interfaces between central processing unit and peripheral devices; hardware and software interfaces. Initial program load procedures and instruction cycle time. Prerequisite: Computer Science 335.

CURRICULUM FOR COMPUTER SCIENCE MAJORS

Freshman Year			
	Credit		Credit
Fall Semester	Hours	Spring Semester	Hours
CSC 231	3	CSC 232	3
Math 233	3	Math 234	3
English	3	English	3
Foreign Language	3	Foreign Language	3
Biology 140	4	Physical Education	3
—		—	
	16		15
Sophomore Year			
Fall Semester		Spring Semester	
CSC 233	3	CSC 234	3
Math 333	3	Math 336	3
English	3	English	3
Philosophy 131	3	Philosophy 239	3
Social Science	3	Social Science	3
Physical Education	1	Elective(R) *	1
—		—	
	16		16

Junior Year

Fall Semester		Spring Semester	
CSC 331	3	CSC 336	3
CSC 341	4	CSC 342	4
Physics 243	4	Physics 244	4
Social Science	3	Social Science	3
Fine Arts	3	Fine Arts	3
	—		—
	17		17

Senior Year

Fall Semester		Spring Semester	
CSC 335	3	CSC 431	3
CSC 332	3	Electives(R)*	6
Electives(R)*	6	Electives(F)**	6
Elective(F)**	3		—
	—		15
	15		

**Electives(R): Restricted electives.*

***Electives(F): Free electives.*

PREPROFESSIONAL OPPORTUNITIES IN THE SCIENCE DIVISION

Premedical and Predental Programs

All courses required for preparation for medical and dental school are offered at Johnson C. Smith University. A student may major in any area of study, but the Health Careers Committee recommends a major in biology or chemistry. The following courses are required for admittance to most medical and dental schools: biology, two semesters; chemistry (general and organic), four semesters; physics, two semesters. Other specific courses are required by some medical schools. Academic advisers and the Health Careers Committee will aid students in arranging their programs.

Students who complete general education requirements and who are accepted into a medical or dental school at the end of the junior year are eligible to receive the B.S. degree from Johnson C. Smith University upon the successful completion of the freshman year at the medical or dental school.

Premedical Technology

All courses required for admission to a school of medical technology are offered at Johnson C. Smith University. Students who wish to apply to a school of medical technology should have the following:

1. Three years of college (ninety credit hours) with a 3.0 average in the required courses and a 2.5 overall average
2. A minimum of sixteen credit hours in chemistry, which must include organic chemistry

3. A minimum of sixteen credit hours in biology, which must include Biology 143-144, microbiology, and genetics
4. One semester of physics
5. One semester of mathematics above Mathematics 132

Students who successfully complete a year's program at an approved school of medical technology and who meet all of the general requirements at Johnson C. Smith University may receive a B.S. degree from Johnson C. Smith University.

Pre-engineering

Johnson C. Smith University has two programs for pre-engineering studies.

1. A major in mathematics may be expanded to include a concentration in physics and chemistry for the expressed purpose of preparing the student to do graduate work in mathematics and physics or to enroll with advanced standing in a school of engineering.
2. A student with a strong background in mathematics may complete the major part of the concentration in #1 within the three years. The student may then transfer to an accredited engineering school. Students who follow this plan under the advice of the Division of Science and Mathematics are eligible for a bachelor's degree from Johnson C. Smith University when they obtain a bachelor's degree in engineering from an accredited school. This program includes eight credit hours of chemistry, thirty credit hours of mathematics, twelve credit hours of physics, and the completion of general education requirements.

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<i>Gloria G. Russell</i>	<i>TECHNICAL ASST.</i>
<i>Gladys C. Thompson, A.A.</i>	<i>LIBRARY ASST.</i>

*Part-time employee.

ACADEMIC AND ADMINISTRATIVE IMPROVEMENT

Robert J. Lotharp, B.S.
Mamie F. Melton

Computer Operator
Key Punch Operator

ADMINISTRATIVE AFFAIRS

Bertha Lyons Maxwell, B.A., M.Ed.,
Ph.D.

Vice-President for Admin-
istrative Affairs and
Planning
Secretary

Wilma Joice Burwell

INSTITUTIONAL RESEARCH

Vietta E. M. Neal, B.A., M.A.

Director of Institutional
Research

Edith R. Hammons, B.S.

Research Assistant

PUBLIC RELATIONS

Vivian Ross Nivens

Acting Director of Public
Relations

ALUMNI AFFAIRS

Minnie G. Maxwell, B.S.
Maxine Reed

Director of Alumni Affairs
Secretary

FEDERAL RELATIONS

Julius A. Lockett, A.B., M.B.A.
Brenda Bailey Campbell, A.A.

Coordinator of AIDP
Secretary

STUDENT AFFAIRS

Joseph A. Gaston, A.B., M.Div.,
M.A., Ph.D.
Calvene F. Ross

Vice-President for Student
Affairs
Secretary

STUDENT LIFE PROGRAMS

Calvin A. Hood, A.B., M.Div., M.A.

Director of Student Life
Programs

Freddie S. Clinton, B.S.
Dorothy A. Faulkner, B.A.
Jacqueline C. Green
William Holmes, B.S.
Cleveland C. James, B.A.

Dormitory Director
Dormitory Director
Dormitory Director
Dormitory Director
Assistant Director, Student
Life Programs (Men)
Head Dormitory Director
Dormitory Director
Assistant Director, Student
Life Programs (Women)

Rosa L. Land, B.A.
Sallie E. Macon, B.A.
Cynthia A. Mills, B.A., M.A.

Willie B. Mobley
 Janice Reese, B.A.
 Alnetha Cohen West, B.A.
 Barbara R. Worthy, B.A.

Secretary
 Dormitory Director
 Head Dormitory Director
 Head Dormitory Director

COUNSELING SERVICES

Lewis C. Dowdy, B.A., M.S.
 Phyllis Abraham

Acting Director, Counseling
 and Testing Services
 Secretary

FINANCIAL AID

Rance M. Jackson
 Edythe Hall

Director of Financial Aid
 Secretary

PLACEMENT

Harold B. Winston, B.A.
 Dorothy Baker Ferguson

Director of Career Planning
 and Placement
 Secretary

HEALTH SERVICES

Gordon M. Wilkins, B.S., M.S., M.D.
 Juanita Y. Bradley, L.P.N.*
 Hazel N. Boyd, R.N.
 Chrysandra N. Halsey, G.N.
 Lillie B. Platts
 Eloise B. Taylor, R.N.

University Physician
 Nurse
 Nurse
 Head Nurse
 Secretary
 Nurse

STUDENT ACTIVITIES AND UNIVERSITY UNION

Joyce T. S. Crisp, B.A.
 Amzie Gray, B.A.

Director, Student Activities
 and University Union
 Assistant Director

UPWARD BOUND AND SPECIAL SERVICES

Curtina P. Bradley, B.A.
 Gerald R. Blakeney, B.A., M.A.
 Linda Fleming, A.A.
 Johnsie M. Grier, B.A.*
 Carolyn E. Latimore, B.A.
 Edith Jane Reid, B.S.*
 Otis Roberson, B.S.
 Odell Robinson, B.A.*

Director
 Program Coordinator
 Secretary
 Instructor
 Reading Specialist
 Instructor
 Counselor
 Instructor

*Part-time employee.

BUSINESS AND FINANCIAL AFFAIRS

Mack L. Davidson, B.S., M.B.A.	Vice-President for Business and Financial Affairs
Fleta M. Alexander	Accountant
Furness J. Armstead, B.S.	Administrative Officer/ Purchasing Agent
Theresa D. Dalton	Cashier
Gladys Rawls Davis	Accounting Clerk
Amy Adam Elston, B.A.	Accounting Secretary
John W. Mack, B.A.	Comptroller
Carolyn Beatty Smith, B.S.	Accounts Receivable Clerk
Sara G. J. Stewart	Personnel Officer
Dorothy C. Whitener, B.A.	Accounting Clerk

PHYSICAL PLANT

Lonnie T. Parker, B.S.	Physical Plant Director
Joseph T. Majors, B.A.	Inventory and Property Manager
Annie Brown Strong	Secretary

BOOKSTORE

Aurelia L. Law, B.S.	Manager, University Bookstore
Bernice W. Spence	Assistant Manager

GENERAL SERVICES

Lessie T. Deavers	Manager, Post Office
Scoletta Mutts Stewart	Assistant Manager
Hope P. Green	Switchboard Operator
Kay Taylor Watts	Switchboard Operator

CAMPUS SECURITY

Arnold B. Coley	Director, Campus Security
George E. Williamson	Assistant Director
Thomas E. E. Simpson	Supervisor, Campus Police
John A. Barnette	Campus Police Officer
Melvin N. Brown	Campus Police Officer
Reginald Byrum	Campus Police Officer
Lewis J. Jackson	Campus Police Officer
Vincent McNeely	Campus Police Officer
Leon Mitchell	Campus Police Officer
Margaret G. Murray	Campus Police Officer
Kenneth Springs	Campus Police Officer

NEW DOORWAYS TO TEACHING AND LEARNING

Nigel M. Ayton, B.A., M.E.	Director
James E. Bishop, B.A., M.A.	Counselor/Instructor
Hattie Farrington, B.A., M.A.	Instructor
Elizabeth M. Graham, B.A.	Counselor/Assistant Instructor
Dorothy Jean Killian, B.A., M.A.	Instructor
Belinda F. Patterson	Secretary
Carolyn M. Smith	Secretary

MINORITY BIOMEDICAL SUPPORT PROGRAM

Ruth Snyder, B.S., Ph.D.	Director
Baldeo K. Chopra, B.S., M.S., B.H.U., Ph.D.	Associate Professor
Mary H. Bailey	Secretary/Laboratory Technician

DEPARTMENTAL SECRETARY

Beulah O. Walker	Secretary, Department of Sociology and Social Welfare
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FACULTY

1977-1979

Name	Rank	Department
Wilbert Greenfield	<i>President</i>	
Hazel P. Amos	<i>Instructor of English</i>	English
Shirley G. Anderson	<i>Associate Professor of Psychology</i>	Psychology
Nigel M. Ayton	<i>Associate Professor of French</i> <i>DIRECTOR OF FRESHMAN-SOPHOMORE STUDIES</i>	Foreign Languages
James Bass	<i>Associate Professor of Political Science</i> <i>DEPARTMENT HEAD</i>	History and Political Science
James E. Bishop	<i>Counselor/Instructor</i>	NDTTL—AIDP
Lillie W. Blue*	<i>Instructor of Mathematics</i>	Mathematics/Physics
Charlie D. Butler	<i>Assistant Professor of Music</i>	Music
Mary H. Byuarm	<i>REGISTRAR</i>	
Samuel W. Byuarm	<i>Professor of Sociology</i> <i>DIVISION CHAIRMAN</i> <i>DEPARTMENT HEAD</i>	Sociology
Riley R. Cabiness	<i>Associate Professor of Education</i>	Education
Baldeo K. Chopra	<i>Associate Professor of Biology/ACTING DEPARTMENT HEAD</i>	Biology
Limone C. Collins	<i>Vice-President for Academic Affairs/Professor of Biology</i>	
Thomas Collins, Jr.	<i>Instructor of Mathematics</i>	Mathematics/Physics
Charles R. Cox	<i>Instructor of Physical Education/Assistant Coach</i>	Physical Education
Jean C. Cozart	<i>Instructor of English</i>	English
Karen D. Dacons	<i>Instructor of Journalism</i>	Communication Arts
Marvin W. Davenport	<i>Assistant Professor of Music</i>	Music
Juanita R. Davidson	<i>Instructor of Sociology</i> <i>Specialist in Social Welfare</i>	Sociology and Social Work
Mack L. Davidson	<i>Vice-President for Financial Affairs/Professor of Economics</i>	Economics
N. V. Desai	<i>Assistant Professor/ACTING DEPARTMENT HEAD</i>	Business Administration and Economics
Ossibelle B. Dixon	<i>Instructor of Physical Education</i>	Physical Education
Lewis C. Dowdy*	<i>Counselor/Instructor</i>	Psychology
Foster R. Drakeford	<i>Assistant Professor of Mathematics</i>	Mathematics/Physics
Spencer E. Durante	<i>Professor of Education</i> <i>DEPARTMENT HEAD</i>	Education
Hattie M. Farrington	<i>Instructor of Reading</i>	NDTTL—AIDP

*Part-time employee.

Name	Rank	Department
Jerome H. Fitch	<i>Instructor of Physical Education/HEAD BASKETBALL COACH</i>	Physical Education
Joan Forney	<i>Instructor of Education</i>	Education
Flossie A. Foxx	<i>Associate Professor of French DEPARTMENT HEAD</i>	Foreign Languages
Sidney Freeman*	<i>Assistant Professor of English</i>	English
Pao-Jen Fu	<i>Assistant Orientation Librarian/Instructor</i>	Library
Joseph A. Gaston	<i>Vice-President for Student Affairs/Associate Professor of Psychology</i>	Psychology
Boyd J. Gatherright	<i>Associate Professor of Mathematics DIVISION CHAIRMAN</i>	Mathematics/Physics
Israel J. Gerber	<i>Professor of Psychology</i>	Psychology
Nancy Golson	<i>Assistant Professor of Early Childhood Education</i>	Education
Edythe R. Grady	<i>Associate Professor of Music</i>	Music
Elizabeth Graham	<i>Assistant Instructor/Counselor</i>	NDTTL—AIDP
Paul Hailey	<i>Instructor of English</i>	English
Eugene Hermitte	<i>Associate Professor of History</i>	History and Political Science
Ruben L. Hines	<i>Instructor of History and Political Science</i>	History and Political Science
Calvin Hood	<i>DIRECTOR OF STUDENT LIFE PROGRAMS/Assistant Professor of Religion</i>	English
Doris Jackson	<i>Assistant to Orientation Librarian</i>	Library
Angela R. Jacobs	<i>Assistant Instructor Programmer for Computer Center</i>	Mathematics/Physics
Ernest James	<i>Instructor of Communication Arts/COORDINATOR OF MEDIA CENTER</i>	Communication Arts
Gerald O. Johnson	<i>Instructor of Mathematics DIRECTOR OF COMPUTER CENTER</i>	Mathematics/Physics
Rosalyn Jones	<i>Instructor of English</i>	English
Albert L. Jordan	<i>Instructor of Business Administration</i>	Business Administration and Economics
Christopher Kemp	<i>Professor of Music DEPARTMENT HEAD</i>	Music
Dorothy Killian	<i>Instructor of English</i>	NDTTL—AIDP
Peter C. Kobrinsky	<i>Assistant Professor of Chemistry</i>	Chemistry
Carolyn Latimore	<i>Assistant Instructor</i>	Upward Bound
James R. Law	<i>Professor of Psychology DIVISION CHAIRMAN DEPARTMENT HEAD</i>	Psychology

*Part-time employee.

Name	Rank	Department
Bessie H. Ledbetter	<i>Assistant Professor of English</i>	English
Annie C. Lee	<i>Assistant Librarian/Instructor</i>	Library
Julio A. Leon	<i>Instructor of Spanish</i>	Foreign Languages
William Lide	<i>Assistant Instructor of Physical Education</i>	Physical Education
Julius A. Lockett	<i>Assistant Professor of Business Administration COORDINATOR OF AIDP</i>	Business Administration and Economics
Eddie McGirt	<i>Associate Professor of Physical Education HEAD FOOTBALL COACH DIRECTOR OF ATHLETICS</i>	Physical Education
Frank D. Machado	<i>Instructor of Spanish</i>	Foreign Languages
Bobby Martin	<i>Specialist in Accounting Instructor of Business Administration</i>	Business Administration and Economics
Bertha L. Maxwell	<i>Vice President for Administrative Affairs and Planning Professor of Education</i>	Education
Edward Milner	<i>Associate Professor of Education</i>	Education
Barbara Moran	<i>Assistant Professor of Communication Arts DEPARTMENT HEAD</i>	Communication Arts
Vietta Neal	<i>DIRECTOR OF INSTITUTIONAL RESEARCH/Associate Professor of Chemistry</i>	Chemistry
Ambrose Nwosu	<i>Instructor of Biology</i>	Biology
Anade Othow	<i>Instructor of Business Administration and Economics</i>	Business Administration and Economics
Helen C. Othow	<i>Associate Professor of English ACTING DIVISION CHAIRMAN</i>	English
Appavoo Perumal	<i>Associate Professor of Physics</i>	Mathematics/Physics
Rufus G. Pettis	<i>Professor of Mathematics DEPARTMENT HEAD</i>	Mathematics/Physics
Kenneth S. Powell	<i>Assistant Professor of Physical Education/Assistant Coach</i>	Physical Education
Henrietta Rhedrick	<i>Instructor of Speech</i>	Communication Arts
Coleman D. Rippy	<i>Associate Professor of Sociology/DIRECTOR OF THE UNDERGRADUATE SOCIAL WELFARE PROGRAM</i>	Sociology and Social Welfare
Charles Rogers	<i>Assistant Professor of Art Education</i>	Education
Huey Rowe-Anderson	<i>Associate Professor of Chemistry</i>	Chemistry
Mildred Sanders	<i>Assistant Librarian/Instructor</i>	Library
Maxine F. Scott	<i>Assistant Professor of English ACTING DEPARTMENT HEAD</i>	English

*Part-time employee.

Name	Rank	Department
John C. Sekyi	Associate Professor of Political Science	History and Political Science
LeRoy T. Sellers*	Instructor of Music	Music
Moses S. Sharpe	Assistant Instructor of Physical Education	Physical Education
Herbert L. Shrieves	Assistant Professor of Mathematics	Mathematics/Physics
Ruth Snyder	Associate Professor of Chemistry	Chemistry
	DEPARTMENT HEAD	
✓ Iris B. Stacks <i>Renee + St. ff</i>	Instructor of Education	Education <i>Library</i>
Lydia K. Sunday	<i>Orientation & Instruction Librarian</i> Instructor of Communication Arts	Communication Arts
Helen R. Taylor	Instructor of Sociology and Social Welfare	Sociology and Social Welfare
Percial M. Thomas	Assistant Professor of History	History and Political Science
<i>M.</i> Clarence Toomer	<i>Reference</i> Assistant Librarian/Instructor	Library
Joseph W. Turner	Assistant Professor of English	English
Bettye C. Walker	Instructor of Music	Music
Shirley Wilkins	ACTING HEAD LIBRARIAN/ <i>Instructor</i>	Library
Raymond Worsley	Assistant Professor of Philosophy and Religion	English
Hampton Wright	Associate Professor of Mathematics	Mathematics/Physics

*Part-time employee.

GRADUATES/AUGUST, 1976**BACHELOR OF ARTS
Cum Laude**

Sharon Thomasina Trice.....Laurelton, New York

BACHELOR OF ARTS

Raenard Jerome Brown.....Washington, D. C.
 Clarence Edward Chisholm.....Charlotte, North Carolina
 Jerry Clark.....Charlotte, North Carolina
 Gloria Joyce Goodley.....Rome, Georgia
 Derwood Franklin Hall.....Charlotte, North Carolina
 Juanita Jones.....Spartanburg, South Carolina
 Willie Larry Joplin.....Charlotte, North Carolina
 Mary Elaine Moore.....Yonkers, New York
 George Wiley Clinton Moreland, Jr.....Charlotte, North Carolina
 Felecia Marcia Pressley.....Nesmith, South Carolina
 Jay Hugh Primus.....Elyria, Ohio
 Carolyn Jean Blackmon Rankin.....Charlotte, North Carolina
 Deborah Anne Wadsworth.....Columbia, South Carolina
 Daryl Leno Wise.....Batesburg, South Carolina

**BACHELOR OF SCIENCE
Cum Laude**

George Edward Younkings.....Charlotte, North Carolina

BACHELOR OF SCIENCE

Terry Carson Ayers.....Chester, South Carolina
 James Barnard Battle.....Wilson, North Carolina
 Mendy Viwilla Bull.....Spartanburg, South Carolina
 James Robert Covington, Jr.....Kinston, North Carolina
 Ronald Thomas Ford.....Georgetown, South Carolina
 Wayne DeWitt Funderburk.....Charlotte, North Carolina
 Kenneth Ardell Golden.....Greenville, South Carolina
 Amzie Reid Gray.....Charlotte, North Carolina
 Barry Todd Johnson.....Columbia, South Carolina
 Bernetta Yvonne Klutz.....Kannapolis, North Carolina
 Chelsea Kidd Lewis.....Danville, Virginia
 Lawrence Winfield Long, Jr.....Union, South Carolina
 Marvin Alfonza Manigault.....Georgetown, South Carolina
 Dazzell Lorenzo Matthews.....Fort Pierce, Florida
 Ozzie Moore.....Charlotte, North Carolina
 Shirley Crawford Robinson.....Lancaster, South Carolina
 Larry Eugene Tomlin.....Charlotte, North Carolina
 Gene Alfred Utsey.....Columbia, South Carolina
 Gary Watts Williams.....Oberlin, Pennsylvania

GRADUATES/MAY, 1976**BACHELOR OF ARTS
Summa Cum Laude**

Segrid Renee Freeman*.....Durham, North Carolina
 Patricia Manigault*.....Charleston Heights, South Carolina
 Joann Mays.....Washington, Georgia
 Cherlyn Denise White*.....Charleston, South Carolina

Magna Cum Laude

Patricia Ann Jessup.....Elizabethtown, North Carolina
 Janice Alethea McCall.....Philadelphia, Pennsylvania
 Phyllis Althea Thomas.....Ruffin, North Carolina

Cum Laude

Thelma Vernita Aiken.....Charleston, South Carolina
 Clara Yvonne Arrington**.....Battleboro, North Carolina
 Leonard Eugene Bodrick.....Orangeburg, South Carolina
 Ronald Burwell.....Henderson, North Carolina
 LaVone Odesser Coley.....Dudley, North Carolina
 Jacqueline Anntoinette Connell.....Brooklyn, New York
 Wilfred David**.....Peekskill, New York

Brenda Gale Dunmeyer**	Charleston, South Carolina
Janice Denise Hamlet	Reidsville, North Carolina
Darryl Anthony Jackson	Columbia, South Carolina
Johnny Charles Johnson	Gary, Indiana
Eleanor Regina Jones**	Quincy, Florida
Artemeus Elton McNeil	Rock Hill, South Carolina
Nancy Joyce Mathis	Charlotte, North Carolina
Tim Monroe Maulden	Davidson, North Carolina
Harold Vinson Reeves	New York, New York
Glencie Stephanye Rhedrick	Charlotte, North Carolina
Gloria Ann Richardson*	Richmond, Virginia
Shirley Jean Robinson	Blanch, North Carolina
Joyce Jean Ryals	Fremont, North Carolina
Pheobe Joan Singleton	Charleston, South Carolina
Gary Anthony Siplin*	Orlando, Florida
Robbie Jean Thompson	Williamston, South Carolina
Delores Timberlake	Butner, North Carolina
Eliza Christine Walker	Greenville, South Carolina
Agnes Lillian Whittle	Brodnax, Virginia
Deborah Diane Wilson	Piedmont, South Carolina
Gayle Roberta Wright	Fountain Inn, South Carolina

GRADUATES/MAY, 1976

BACHELOR OF ARTS

Wanda Marie Alexander	Charlotte, North Carolina
Linda Smith Banks	Charlotte, North Carolina
Gilbert Herman Belisle	Charlotte, North Carolina
Carla Eloise Boone	New Bern, North Carolina
Marshall Thornly Boulware**	Winston-Salem, North Carolina
Robbie Yvonne Brown**	Winston-Salem, North Carolina
Elmer Andrew Brunson, Jr.	Chicago, Illinois
Fulton McDonald Burns	Clinton, Massachusetts
Vickie Lynn Caraway	Polkton, North Carolina
Hazel Dell Clark	Newberry, South Carolina
Meryl Elice Clark	Asheville, North Carolina
Karen E. Cole	New Rochelle, New York
James Gerald Crosby	Charlotte, North Carolina
Dolores Ann Dash	Charlotte, North Carolina
Terry Henry Douglas	Charlotte, North Carolina
Ruth Denise Edwards	Awendaw, South Carolina
Kathryn LaVerne Flood	New York, New York
Ronald Foster	Asheville, North Carolina
Carolann Frazier	Bronx, New York
Barbara Jean Fuller	Philadelphia, Pennsylvania
Willie Ronnie Gartrell	Kingstree, South Carolina
Gwendolyn Chapman Gillespie	Charlotte, North Carolina
Jacqueline Gilliam*	Clover, Virginia
Lawrence Douglas Graves	Philadelphia, Pennsylvania
Mabel Ann Gupton	Newark, New Jersey
Constance Georgetta Hall	Asheville, North Carolina
Petrenella Harper*	Lenoir, North Carolina
Blanche Mary Ann Hicks**	Richmond, Virginia
Diane Lugina Hill**	Amityville, New York
Helen Jean Hinton	Ft. Lauderdale, Florida
Ronald Kent Humphries	Bronx, New York
George Hunter	Mooresville, North Carolina
Annie Lee Jackson	Woodruff, South Carolina
Cheryl Donita Keno**	East Orange, New Jersey
Deborah Ann Ledbetter*	New York, New York
Patricia Ann Lennon**	Georgetown, South Carolina
Iris Lutrishia McKoy**	Elizabethtown, North Carolina
Jerry Lee McKoy	Elizabethtown, North Carolina
Luther Carven McMorris*	Camden, South Carolina
Mary Frances Marsh*	Marshville, North Carolina
Lawrance Delano Mayes	Charlotte, North Carolina
Edna Messick**	New York, New York

Edna Doretha Mickle.....	Charlotte, North Carolina
Linda Carol Moore*.....	Burlington, North Carolina
Anita Lynn Morris.....	Charlotte, North Carolina
Herbert Nelson, Jr.*.....	Columbia, South Carolina
Velma Boney Norman.....	Teachey, North Carolina
Ruth Ann Parrott*.....	Wisacky, South Carolina
Roderick Whalen Pettis.....	Spartanburg, South Carolina
John William Polk, Jr.*.....	Philadelphia, Pennsylvania
Darrell Sinclair Powe.....	Bronx, New York
Maurice Franklin Redmond.....	Philadelphia, Pennsylvania
Jacob Leon Reid.....	Charlotte, North Carolina
Rhoda Dale Rennick.....	Wadesboro, North Carolina
Sharon Marie Robinson**.....	Warrensville Heights, Ohio
Jacqueline Antoinette Roddey**.....	Charlotte, North Carolina
Jacqueline Doster Smith*.....	New York, New York
Phyllis Rolanda Smith.....	Danville, Virginia
Dedra Lavern Stafford.....	Harrisburg, North Carolina
Harry Simeon Stone.....	Charlotte, North Carolina
John Sturgis, Jr.*.....	Augusta, Georgia
Harold Glymph Talley.....	Gaffney, South Carolina
Robert Henry Taylor, Jr.....	Charlotte, North Carolina
Gregory Stewart Thigpen**.....	Great Falls, South Carolina
Horace Bernard Thompson.....	Camden, South Carolina
Charlotte Leverne Timberlake*.....	Durham, North Carolina
Grant Vinson.....	Lexington, North Carolina
Joyce Patricia Vose.....	Charleston, South Carolina
Anthony Waddell.....	Wilmington, North Carolina
Gail Cassandra Wallace.....	Spartanburg, South Carolina
Deborah Adair Warren*.....	Kings Mountain, North Carolina
Carl Langley Wheeling.....	Hartsville, South Carolina
Dorothy Jean Wilkins.....	Asheville, North Carolina
Annie Felicita Williams**.....	York, South Carolina
Mary Elizabeth Wilson.....	Wilmington, Delaware
Vanessa Delores Worsham.....	Amelia, Virginia

BACHELOR OF SCIENCE Summa Cum Laude

Angela Regina Jacobs.....	Council, North Carolina
Sandra Adele Williams.....	Cleveland, Ohio

Magna Cum Laude

Charlene Evelyn Durham.....	Richmond, Virginia
Sheila Denise Harvey.....	Council, North Carolina
Kenneth Rogers Hopkins.....	Sellers, South Carolina
Robert Lee Meeks.....	Charlotte, North Carolina
Jacqueline Priscilla Reuben.....	Columbia, South Carolina

Cum Laude

Ava Marie Anderson.....	Enoree, South Carolina
Malcolm Barksdale.....	Baltimore, Maryland
Wallace Harold Davis, Jr.....	New York, New York
Yvonne Finger**.....	Lincolnton, North Carolina
John Douglas Foxworth.....	Charlotte, North Carolina
Sarah Karen Jefferson Gibbs**.....	Charlotte, North Carolina
Jacqueline Glover.....	Baltimore, Maryland
James Edward Hicks.....	Cheraw, South Carolina
Azzam Izzat Ibreak**.....	Nablus, Israel
Reginald Ray McClinton.....	Charlotte, North Carolina
Judith Renee Means.....	Columbia, South Carolina
Marylinn Christine Minor.....	Doswell, Virginia
Dawn Lois Nichols.....	Sharon Hill, Pennsylvania
John Emmanuel Owusu-Amoateng**.....	Ghana, Africa
Modestine Rogers.....	Lamar, South Carolina
Doris Ann Smalls.....	Georgetown, South Carolina

BACHELOR OF SCIENCE

Meredith Alvester Baker**.....	Cleveland, Ohio
Boniface Bakongo.....	Kinshasa, Africa
Angelia Day Bolling.....	Richmond, Virginia

Joseph Hampton Bowers.....	Louisville, Kentucky
Wilhemenia Burrell Bryant.....	Madison, North Carolina
Joseph Davis Butler.....	Charlotte, North Carolina
Candace Diane Coleman.....	Orange, New Jersey
Tommy Lee Cornwell.....	Charlotte, North Carolina
Linda Jean Dailey.....	Cleveland, Ohio
Wayne Foster.....	Charlotte, North Carolina
Derrick Clinvern Gayle.....	Westbury, New York
Marilynn Priscilla Gibson.....	Georgetown, South Carolina
James Walker Hallums.....	Greenville, South Carolina
Curtis Heyward Harbour, Jr.....	Charleston, South Carolina
Claudette Harrison.....	Mt. Vernon, New York
Glenn Haynes.....	Orangeburg, South Carolina
Leon Henderson**	Montclair, New Jersey
Alvin Edward Howard.....	Monroe, North Carolina
Terry Lee Howard.....	Charlotte, North Carolina
Ira McDavid Hunt.....	Charlotte, North Carolina
James Mitchell Jefferson.....	Bronx, New York
Brenda Wynell Yvonne Johnson*	Brooklyn, New York
Edward David Jones.....	Chicago, Illinois
Warrenell Lesane.....	Mayesville, South Carolina
Kenneth Jerome Locke*	Buffalo, New York
Linda Kaye Nesmith.....	Charleston, South Carolina
Rosilyn Denise Outen.....	Columbia, South Carolina
Julia Anne Parks.....	Greenwood, South Carolina
Henrene Delores Poole.....	Charlotte, North Carolina
Orlando Mack Reid.....	Saxe, Virginia
Vanessel Richardson.....	Charlotte, North Carolina
Marion Jackie Robinson, Jr.....	Rock Hill, South Carolina
Ricky Lee Robinson.....	Spring Valley, New York
Brindle Dianne Segars*	Lamar, South Carolina
Myra Anita Singleton**	Charleston, South Carolina
Gregory Valgene Smith.....	Richmond, Virginia
Brenda Margaret Solomon.....	Westbury, New York
Linwood Julian Spindle.....	Richmond, Virginia
Lureen Sweat.....	Pompano Beach, Florida
Willie Edwin Tillman*	Charlotte, North Carolina
Anthony Kenneth Tolbert*	Charleston, South Carolina
Michael Roy Toliber.....	Gary, Indiana
Derek Hayward Wallace.....	Philadelphia, Pennsylvania
Reginald James Washington*	Durham, North Carolina
Jennifer Valeria Weston.....	Eastover, South Carolina
Arthur Whaley, Jr.....	Green Pond, South Carolina
Ronald Adrien Wheeler*	Columbia, South Carolina
Clara Mae White.....	Atlanta, Georgia
James Wideman.....	Greenwood, South Carolina
Carlton Rahsaan Williams**	Lakeland, Florida
Theodore Wilmore**	Great Falls, South Carolina
Daniel Yeboah.....	Ghana, Africa

* Summer, 1975.

** Fall Semester, 1975-1976.

DEGREES—1975

MAY, 1975

BACHELOR OF ARTS
Magna Cum Laude

Karen Marie Baysmore.....	Suffolk, Virginia
Doris Evelyn Hix.....	Pamplin, Virginia
Barbara Ann McFarlan.....	Patrick, South Carolina
Felicia Mignonette Miller.....	Rose Hill, North Carolina

Cum Laude

Fobem Obiora Abiakam.....	Enugu, Nigeria
Brenda Kaye Allison.....	Clover, South Carolina
Lonnie James Burrell**	Charlotte, North Carolina
Brenda Perkins Byrd.....	Gastonia, North Carolina

Laura Kindell Davis*	Charlotte, North Carolina
Geraldine Dawson	Seabrook, South Carolina
Vanessa Dayle Grimes	Ashland, Virginia
Ethel Kelly Grinkley	Darlington, South Carolina
Carolyn Ann Hairston	Winston-Salem, North Carolina
Margaret Louise Davis Lucas	Charlotte, North Carolina
Roetta Carol McClain	Rocky Mount, North Carolina
Terrie Leigh McRae	Clinton, North Carolina
Cheryl Cecelia Morris**	Tuckahoe, New York
Kathryn Patricia Morris	Irvington, New Jersey
Billie Dolores Nichols	Pageland, South Carolina
Sherman Edward Pyatt**	Charleston, South Carolina
Bonnie Maxine Ricks	Rocky Mount, North Carolina
Janet Luberta Ross*	Port Chester, New York
Sarah Lee Sessoms	Nashville, North Carolina
Marsha Maria Snulligan**	St. Louis, Missouri
Margaret Louise Timberlake	Butner, North Carolina
Grillins Clifton Wilson	Stanley, North Carolina
Jacquelyn Fay Wilson	Norlina, North Carolina
Gregory Leon Woods**	Charlotte, North Carolina

BACHELOR OF ARTS

Deborah Faye Aiken	Columbia, South Carolina
Joyce Barnette Anderson*	Columbia, South Carolina
Debra Camelle Armfield	Woodruff, South Carolina
Gloria Juanita Ballou	South Boston, Virginia
Gloria Ann Blackmon	Charlotte, North Carolina
Sherman Blow*	Newport News, Virginia
Michael Forest Bradley	Washington, D. C.
Lizzie Ruth Catoe*	Clover, South Carolina
James Larry Clinton	Charlotte, North Carolina
Walter Lee Coleman	Jackson, Mississippi
Wayne Eldrid Coleman	Castro Valley, California
Roslyn Cynthia Covington	Bronx, New York
Kannatis Baxter Crawford, Jr.	Washington, D. C.
Linwood Earl Dixon	Charlotte, North Carolina
Joan Elizabeth Dunmyer**	Ravenell, South Carolina
Beverly Anita Ellis**	Charlotte, North Carolina
Stanley Ray Frazier	Charlotte, North Carolina
Christine Renée Fuller	Philadelphia, Pennsylvania
Pamela Fuller	Philadelphia, Pennsylvania
Beverly Ann Gaither	New Haven, Connecticut
Mary Ann Gaither	Liberty Hill, South Carolina
Mildred Louise Gamble	Charleston, South Carolina
Carol Yvonne Nance Grate**	Baltimore, Maryland
Alphonso Daniel Green**	Charlotte, North Carolina
Claude Green, Jr.	Brooklyn, New York
Oscar Hare, Jr.	Charlotte, North Carolina
Willie Carl Harmon**	Ft. Myers, Florida
Geraldine Harris**	Kannapolis, North Carolina
Gloria Jean Harris*	McCormick, South Carolina
Vaughan Mier Harris	Washington, D. C.
Betty Ann Heath*	Charlotte, North Carolina
Margaret Hemphill	Charlotte, North Carolina
Hendri Dean Hood	Harvey, Illinois
Collis DeWitt Howard	Danville, Virginia
Anthony Cortez Jackson	Chicago, Illinois
Eleanor Antoinette Johnson	Darlington, South Carolina
Jerome Johnson**	Suitland, Maryland
Reginald Vincent Johnson	Orange, New Jersey
Harris Jones, Jr.*	Lake City, South Carolina
Manuel Jones	Charlotte, North Carolina
Audreya Belynda Lathan	Detroit, Michigan
Patricia Carmen Lennon	Philadelphia, Pennsylvania
DeFrancia Lewis	Wilmington, North Carolina
Rose Marie Lynch	Stanley, North Carolina
Michael Paul McCallum	Charlotte, North Carolina
Carolyn Delores McClain	Charlotte, North Carolina

Byron Ollivierre McDowell**	Philadelphia, Pennsylvania
Carlotta Nathalie McKinney	Charleston, South Carolina
Bernice Miller	Cheraw, South Carolina
Pearline Moore	Oxford, North Carolina
James Leroy Nelson	Philadelphia, Pennsylvania
Romona Zandra Nelson	Washington, D. C.
Thomasina Nixon	Columbia, South Carolina
Dale Arnold Patterson	Lenoir, North Carolina
Edward Clifton Payne	Lynchburg, Virginia
James Evans Pemberton	Rock Hill, South Carolina
Diane Phillips	Marshville, North Carolina
Marcia Vivian Pickett	Greenville, South Carolina
George Henry Potter, Jr.	Philadelphia, Pennsylvania
Oliver Leroy Reeder	Plainfield, New Jersey
Janice Marie Reese**	Charlotte, North Carolina
Geneva Ford Robinson*	Charlotte, North Carolina
Duane Carlton Sevillian	Buffalo, New York
Freda Simmons**	St. George, South Carolina
Marilyn Smith	Mt. Pleasant, South Carolina
Ozzie Smith, Jr.	Cleveland, Ohio
Elaine Cordelia Stevens	Greenville, South Carolina
Marcell Conelious Stitt	Charlotte, North Carolina
Dalton Willard Stone*	Pittsboro, North Carolina
Ronald Lloyd Thomas II**	Philadelphia, Pennsylvania
William Theodore Thomas, Jr.*	Scotch Plains, New Jersey
Bernard Townes	Charlotte, North Carolina
Donald Gregory Turner**	New York, New York
Michael Eugene Wallace	Charlotte, North Carolina
Linda Anderson Washington**	Chicago, Illinois
Paletha Williams**	Baltimore, Maryland
Deborah Ann Willis*	Rocky Mount, North Carolina
Richard Allen Wright*	Cleveland, Ohio
James Clarence Yourse*	Greensboro, North Carolina

BACHELOR OF SCIENCE

Summa Cum Laude

Bertha Ann Richardson	Hartsville, South Carolina
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Magna Cum Laude

Alton Prescott Myers	Allendale, South Carolina
----------------------	---------------------------

Cum Laude

Boyce William Alexander, Jr.	Charlotte, North Carolina
Peola Carlotta Coble	Mt. Vernon, New York
Shaileshkumar Muljibhai Kadakia	Bombay, India
James McCoy, Jr.	Kershaw, South Carolina
Andre Lloyd Piggery	Morristown, New Jersey
Cheryl Jean Powell	Miami, Florida
Christy Reed Shelton**	Ashland, Virginia
Verana Yvonne Terry**	Lexington, North Carolina
Debra Dorthula Wilson	Georgetown, South Carolina
Eulalia Ann Winstead	Roxboro, North Carolina

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Charles Lee Ashley*	Gastonia, North Carolina
James Calvin Bell	Charlotte, North Carolina
Allen T. Bethel, Jr.**	Philadelphia, Pennsylvania
Deborah Elaine Bright	Walterboro, South Carolina
Daisy Mae Brown	Charleston, South Carolina
William Lee Butler	Madison, Georgia
Richard Arnold Campbell	Charlotte, North Carolina
Luther Carter, Jr.	Charlotte, North Carolina
Ralph Edward Collette	Morganton, North Carolina
Anthony Lee Cooper	Philadelphia, Pennsylvania
Gwenellen Lucielle Corley	Washington, D. C.
David Leon Crumpton	Tuckahoe, New York

George William Dalton.....	Walnut Cove, North Carolina
Anne Marlene Davis.....	Jacksonville, Florida
Antoine Massamba Diantete.....	Thysville, Congo
Alfred Drakeford.....	Charlotte, North Carolina
Bruce Dale Duke.....	Hickory, North Carolina
Crosby Faulk.....	Charlotte, North Carolina
Rodney Handy Felder.....	Charleston, South Carolina
Michael Bernard Gibson.....	Newton, North Carolina
Darrick Joseph Gilmore.....	Washington, D. C.
Mickey Dean Gist*.....	Union, South Carolina
Lynn Patricia Godfrey.....	Philadelphia, Pennsylvania
Toney Allen Gore.....	Sharon, South Carolina
Gertrude Renée Graham.....	Charleston, South Carolina
David W. Green.....	Baltimore, Maryland
Carolyn Linda Greene.....	Disputanta, Virginia
William Harris III.....	Richmond, Virginia
Norma Jean Hart.....	Philadelphia, Pennsylvania
Othonell Hemphill*.....	Charlotte, North Carolina
Arthur Wyman Henderson.....	Rock Hill, South Carolina
George Hill.....	Union, South Carolina
Leroy Holland, Jr.....	Charlotte, North Carolina
Carolyn Cassandra Howard*.....	Tarboro, North Carolina
Michael Tyrone Howell.....	Charlotte, North Carolina
Thomas Allen Hughes**.....	Trenton, New Jersey
Portia LaFaye Johnson.....	Brooklyn, New York
Iris Donetta Jones.....	Washington, D. C.
Annette Emily Lee.....	Camden, South Carolina
Ulysses Lee.....	Florence, South Carolina
Thomas James Ferrell Lesesne.....	Charlotte, North Carolina
Joseph McClamb, Jr.....	Raleigh, North Carolina
Stanton Boyce Matthews.....	Pawley's Island, South Carolina
Jacqueline Arneitha Means.....	Florence, South Carolina
Teresa Annette Mebane**.....	Martinsville, Virginia
Kathy Parker Miller.....	Charlotte, North Carolina
Willie Montgomery III**.....	Charlotte, North Carolina
Valerie Deborah Moses.....	Charlotte, North Carolina
Claudia Marie Nance.....	Greenville, South Carolina
Freddie Script Neal.....	Greensboro, North Carolina
Anthony Lesiel Poaches**.....	Charlotte, North Carolina
Ida Lorraine Morgan Poindexter.....	Charlotte, North Carolina
Rudolph Porter, Jr.**.....	Teaneck, New Jersey
Avee Poston, Jr.....	Monroe, North Carolina
Columbus Lynwood Reid.....	Anderson, South Carolina
LeRoy Rembert.....	Charlotte, North Carolina
Ronald Thomas Rogers**.....	Columbia, South Carolina
Leroy Franklin Scott, Jr.....	Charlotte, North Carolina
Marian Lee Sherman**.....	Charlotte, North Carolina
Bernard Anthony Smith*.....	Charlotte, North Carolina
Cheryll Denise Smith.....	Gaffney, South Carolina
Lynnda Marie Stephens.....	South Boston, Virginia
Ronnie Clyde Stinson.....	Gastonia, North Carolina
Ronald Clayton Tatum.....	Statesville, North Carolina
Everett Taylor, Jr.*.....	Charlotte, North Carolina
Russell Nelson Thompson, Jr.**.....	Philadelphia, Pennsylvania
Willie Calvin Thompson.....	Rock Hill, South Carolina
Mary Patricia Walker.....	Appomattox, Virginia
Andrea Modesta Webber.....	Shelby, North Carolina
Phyllis Delores Worthy.....	Asheville, North Carolina
Alex Gregory Young.....	Auburndale, Florida

* Summer, 1974.

** Fall Semester, 1974-1975.

GENERAL NUMERICAL SUMMARY OF STUDENTS 1975-1976

Class	Men	Women	Total	Working Toward Degree
SENIOR	112	101	213	
JUNIOR	86	121	207	
SOPHOMORE	172	171	343	
ADVANCED FRESHMAN	131	90	221	
FRESHMAN	270	219	489	
UNCLASSIFIED	21	5	26	
SPECIAL	7	9	16	
EVENING	0	1	1	
TOTAL—REGULAR	799	717	1516	1499
SUMMER SESSION—1975	252	265	517	459
TOTAL—REGULAR/SUMMER SESSION	1051	982	2033	1958
DUPLICATIONS—SUMMER SESSION	203	214	417	415
TOTALS—YEAR	848	768	1616	1543

ENROLLMENT
Fall Semester
1976-1977

Class	Men	Women	Total
SENIOR	97	127	224
JUNIOR	79	115	194
SOPHOMORE	218	173	391
ADVANCED FRESHMAN	135	119	254
FRESHMAN	251	256	507
UNCLASSIFIED	10	10	20
SPECIAL	5	5	10
TOTAL	795	805	1600

Fall Semester
1975-1976

Class	Men	Women	Total
SENIOR	99	93	192
JUNIOR	87	124	211
SOPHOMORE	159	167	326
ADVANCED FRESHMAN	111	77	188
FRESHMAN	239	191	430
UNCLASSIFIED	16	4	20
SPECIAL	5	4	9
EVENING	0	1	1
TOTAL	716	661	1377

GEOGRAPHICAL DISTRIBUTION OF STUDENTS
Fall Semester
1976-1977

STATE	MEN	WOMEN	TOTAL
ALABAMA	3	1	4
ARIZONA	0	1	1
CALIFORNIA	0	1	1
COLORADO	2	0	2
CONNECTICUT	3	4	7
DELAWARE	3	5	8
DISTRICT OF COLUMBIA	31	15	46
FLORIDA	29	18	47
GEORGIA	7	22	29
ILLINOIS	7	5	12
INDIANA	4	0	4
LOUISIANA	5	0	5
MARYLAND	18	4	22
MICHIGAN	12	1	13
MISSOURI	0	2	2
NEW JERSEY	31	22	53
NEW YORK	80	46	126
NORTH CAROLINA	278	358	636
OHIO	4	4	8
PENNSYLVANIA	25	19	44
SOUTH CAROLINA	198	237	435
TENNESSEE	3	2	5
TEXAS	1	0	1
VIRGINIA	36	34	70
WEST VIRGINIA	1	1	2
FOREIGN COUNTRIES			
AFRICA	13	1	14
BAHAMAS	1	1	2
ENGLAND	0	1	1
TOTAL	795	805	1600

Fall Semester
1975-1976

STATE	MEN	WOMEN	TOTAL
ALABAMA	2	1	3
ARIZONA	0	1	1
COLORADO	2	0	2
CONNECTICUT	2	3	5
DELAWARE	3	5	8
DISTRICT OF COLUMBIA	16	11	27
FLORIDA	28	14	42
GEORGIA	6	23	29
ILLINOIS	6	4	10
INDIANA	8	0	8
LOUISIANA	8	0	8
MARYLAND	8	4	12
MASSACHUSETTS	1	0	1
MICHIGAN	4	1	5
MISSISSIPPI	1	0	1
MISSOURI	0	3	3
NEW JERSEY	25	23	48
NEW YORK	74	46	120
NORTH CAROLINA	242	262	504
OHIO	7	6	13
PENNSYLVANIA	32	22	54
SOUTH CAROLINA	183	192	375
TENNESSEE	4	2	6
TEXAS	1	0	1
VIRGINIA	37	35	72
WEST VIRGINIA	1	1	2
FOREIGN COUNTRIES			
AFRICA	14	1	15
ENGLAND	0	1	1
ISRAEL	1	0	1
TOTAL	716	661	1377

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